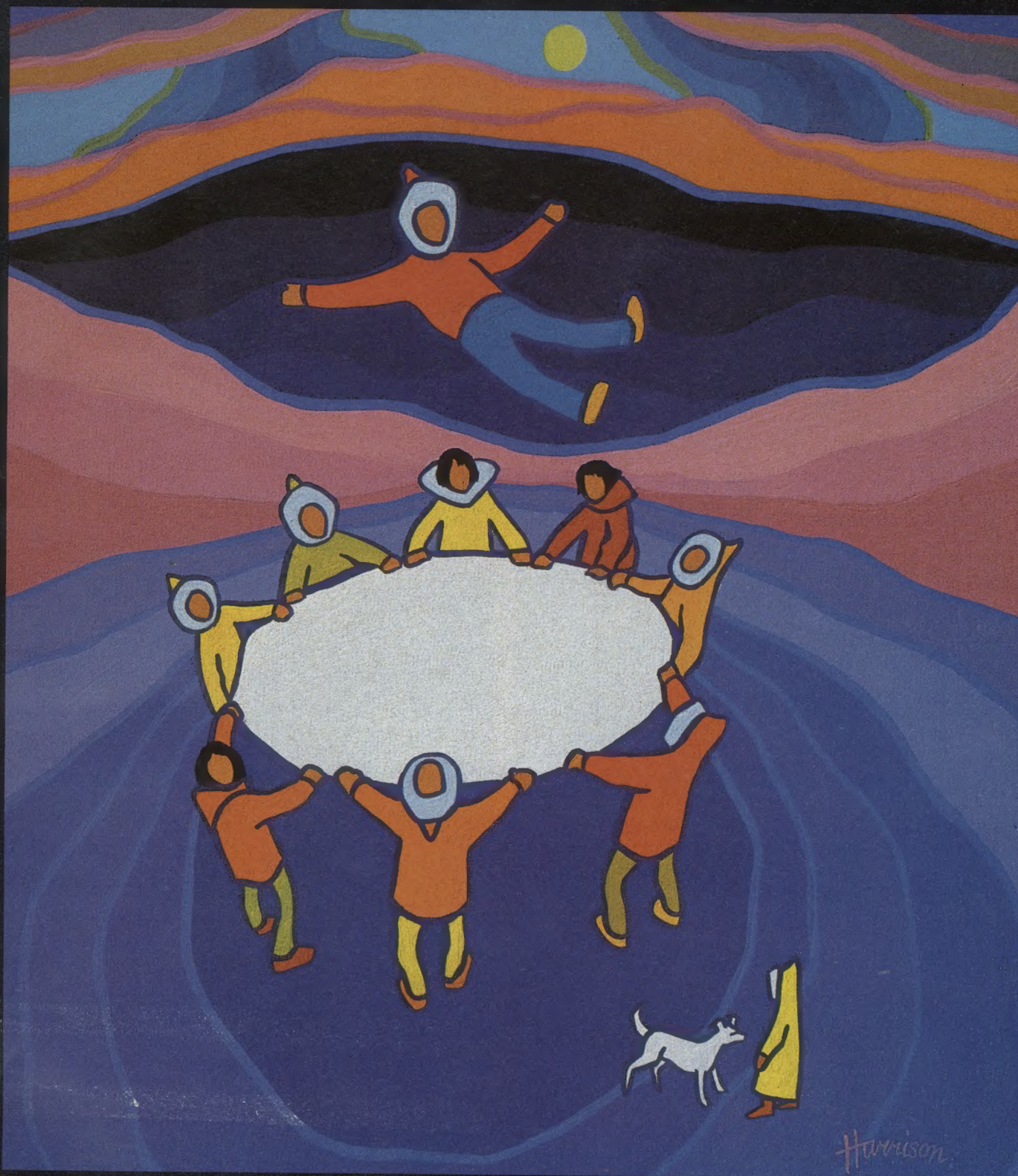
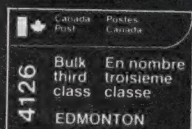


University of Alberta
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Winter 1987

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NEW TRAIL

One of the graduates featured in the "Alumni" section of this issue, an issue which focuses upon the special relationship of the University of Alberta to Canada's northern regions, is natural science writer Candace Savage. A relative newcomer to the North, she speaks about the "exciting context" of life in the Northwest Territories.

Part of that is the development of new institutions that is taking place, shaped by the dynamic coming together of parts of the process of the twentieth century with the tradition of the North and its peoples.

As I gathered material for this issue, I felt something of that excitement, which underlies so much of what is happening in the North. It seems to me that there must have been a similar feeling at the University and throughout Alberta in the early part of this century when the fledgling institutions of the new Province of Alberta were taking shape.

Edmonton lawyer Peter Caffaro also makes that connection. Mr. Caffaro is the chairperson of the University Senate's recently-created task force

on the University and the North. He suggests that, just as McGill University took a leading role in creating and shaping the educational institutions of western Canada, the University of Alberta has a moral obligation to give its support to developing institutions of higher education and science in the North.

His task force is now busy talking with Northerners and hopes to have a report ready for the fall 1988 meeting of Senate. The report should make interesting reading.

And speaking of interesting reading and the shaping of Alberta's institutes of higher education . . . Be sure to watch for the next two issues of this magazine. The next issue (Spring '88) will celebrate the 75th anniversary of the Faculty of Medicine, and the subsequent number (Summer '88) will mark 75 years of Engineering on campus.

Rick Pilger
Editor



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The U of A is proud of its northern connections, and a Senate task force is making sure that the needs of Northerners are recognized.

A Race Against Time: Saving the Library's Books 18

Unless substantial measures are taken soon, a large portion of the Library's collection could well be lost before the next century.

Something Worth Celebrating: The Killam Legacy 16

For 20 years the University has benefitted from the magnanimity of Izaak and Dorothy Killam.

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Cover

Ted Harrison, who has given the world a colorful vision of Canada's North through his art, is one of the many U of A graduates active in the life of the North. The Harrison painting reproduced here shows a popular Inuit game.



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Homecoming Enjoyed

Another Homecoming has come and gone at the University, and those who participated are eagerly awaiting the next anniversary celebration to fulfill the promises made to classmates to get together again soon.

Homecoming '87 began with registration and a rousing reception at the U of A's Faculty Club on September 25. More than 280 graduates filled the club, many wearing old team jackets and Block "A" sweaters. Alan Johnson, '41 BA, who was attending Homecoming with his wife Margaret, '47 BSc(HEc), won the door prize, a two-week canoe trip courtesy of Nahanni River Adventures.

Saturday was Homecoming's busiest day. It began early with coffee and cinnamon buns in Athabasca Hall followed by campus and University museums tours, Faculty of Extension anniversary celebrations and open house, Mackenzie Health Sciences Centre tours, and archery and tennis tournaments.

At the Homecoming Luncheon alumni enjoyed the views of the city and campus from the seventh floor of the Students' Union Building, and Winston Johnstone, '37 DDS and Ruth King (Hazlett), '37 BA, were the lucky participants who had their names drawn to receive brass replications of their degrees, courtesy of Expressions in Brass.

The gala event of the weekend, the Homecoming Dinner and Dance, was held at the Westin Hotel, Edmonton on Saturday evening. While most of those present were resplendent in clothing of recent vintage, Mary Wallace (Hewitt), '37 BSc(HEc), reached back in her closet for her dress—way back. She came attired in the



Enjoying Homecoming: Mary Wallace (above) dug deep into her closet; '26 Grads Stephenson (right) and McKittrick visited with president Horowitz at Brunch.



gown she had worn at her convocation 50 years earlier.

At the Dinner a number of graduates received special recognition. Chancellor Tevie Miller proposed a toast to the Silver Class of 1962, and Peter Hyndman, '62 BComm, responded. President Myer Horowitz addressed his toast to the Golden Class of 1937, and received a response from Charles Stelck, '37 BSc. Board of Governors Chairman John Schlosser had the honor of addressing the 1927 Diamond Class with his toast, and Louis Hyndman Sr., '27 LLB replied on behalf of his classmates. In addition, Eva McKittrick, '22 BSc, and Dorothy Stephenson (Diller), '22 BA, were specially recognized on the occasion of their sixty-fifth anniversary of graduation.

The door-prize winner at the Dinner and Dance was Harry Hunter '27 BSc, who won a trip for two to San Francisco, courtesy of Air Canada, along with accommodation at the Westin Hotel St. Francis. Other winners that evening

were Mrs. J. Grant Sparling, who won the Alumni Association's Golden Jubilee Award, and the recipients of two Association scholarships. Sibohan Muldowney, a second-year medical student, was awarded the Maimie S. Simpson Memorial Scholarship, and Jeannine Glassford, a first-year Arts (after degree) student was presented with the 75th Anniversary Scholarship.

Homecoming ended after members of the Diamond and Golden Classes attended a brunch hosted by Dr. and Mrs. Horowitz on Sunday, while other alumni participated in class functions.

The Alumni Association extends special thanks to the Nursing Undergraduate Society for conducting hospital tours and to Student Orientation Services for providing campus guides during Homecoming Weekend.

New Members Welcomed

Eight new members have been welcomed to Alumni Council, the governing body of the Alumni Association, in the past few months.

Janete Poloway, '74 BSc(HEc) is the new

representative for the Faculty of Home Economics. She is the assistant director of dietetics at Royal Alexandra Hospitals.

Marion Gee, '84 LLB, a partner with McGee & Company, Barristers and Solicitors, will serve as the Faculty of Law representative.

The Faculty of Library Science representative is Christina Andrews, '86 MLS, an information specialist at Alberta Education Library Services.

Lorraine McCullagh, '60 BSc(Nu), '77 MHSA is the new Graduate Studies Representative. She is a hospital administration consultant in Alberta Hospitals and Medical Care's institutional operations branch.

Lorne Ruzicka, '76 BComm, '80 LLB, an associate with the Edmonton law firm Ogilvie & Company, will represent the Faculty of Business.

A physical education teacher, David Cragg, '63 BPE, '65 BEd, '83 MEd, an elementary school counsellor at Greenfield, McLeod and Northmount Elementary Schools in Edmonton, will serve as the Faculty of Physical Education and Recreation representative.

Deborah Maerz, '80

BSc(OT) is the new Faculty of Rehabilitation Medicine Representative. She is an occupational therapist at the University of Alberta Hospitals.

An Edmonton physician in private practice, Al Backstrom, '50 BSc(Pharm), '56 MD, has accepted the position of representative for the Faculty of Medicine.

All of the newcomers were elected to three-year terms expiring May 1990, except for Ms. Andrews and Ms. Maerz, who are serving for one-and two-year terms respectively. They will be completing the terms of representatives who have resigned from Council prior to the expiration of their terms.

Branches Flourish

Each year, graduates in more and more cities are meeting annually to renew acquaintanceships and hear about the latest developments at their alma mater.

This year, the Association's fall branch visits began on September 11 when residents of Yellowknife, N.W.T. attended a dinner held in conjunction with the University Senate's out-of-town meeting being held in their city. Chancellor Tevie Miller took the opportunity to greet the graduates who then dined with the Senators and other guests.

Saskatchewan was the next location for a gathering. Allan Warrack, vice-president (administration) of the University of Alberta, and Barbara Kozoriz, Alumni Association president, travelled to Saskatoon and Regina on September 29 and 30, respectively. At both locations Dr. Warrack brought the graduates up to date on the University's plans for the future. More than 30 individuals attended

the Saskatoon meeting, while 55 participated in the first-ever Regina event. Both cities are planning to organize permanent branches.

Whitehorse, Yukon was another centre which held its first University of Alberta alumni event in 1987. Dr. Warrack travelled to Whitehorse on October 8 to speak to alumni in the area.

On October 17 and 18 respectively, graduates in Lethbridge and Medicine Hat, Alberta attended locally organized events which featured Dr. Myer Horowitz, president of the University of Alberta, as guest speaker. Dr. Horowitz spoke to 50 graduates in Lethbridge and more than 70 in Medicine Hat.

Branch visits were also made to the east coast. John Schlosser, chairman of the University's Board of Governors, spoke at functions in St. John's, Newfoundland on October 21 and in Dartmouth, Nova Scotia on October 24.

In the weeks following, branch functions were held in Winnipeg, Toronto and Ottawa. Chancellor Tevie Miller brought greetings from the University to alumni gathered in Winnipeg on October 29 and in Toronto on November 1. On November 8, Vice-President Warrack spoke to graduates at a brunch in Ottawa.

Homecoming '88 Dates Set

Yes, it's already time to start thinking about Homecoming '88.

Be sure to mark your calendar now—especially if you are a 1923, 1928, 1938 or 1963 graduate. These classes will be specially honored at Homecoming Weekend '88, scheduled for September 23-25, 1988.

Other special anniversary classes are those of '48, '73, '78, and all University of Alberta graduates are welcome at Homecoming.

If you would like to organize a reunion of your class, contact Sandra Kereliuk at the Alumni Affairs Office. She can help with class lists, reunion mailouts, or provide other assistance.

Medical Alumni Meet

On September 17 in Calgary, the Medical Alumni Association held its 1987 Annual Meeting.

During the meeting, a new MAA executive was

selected for the 1987-88 term. The new president is Al Backstrom of Edmonton, Robert Pow of Calgary is past-president, and R. Gerry McDougall of Calgary is vice-president. Rex Boake, Walter Yakimets, Adrian Jones (all from Edmonton) and Robert McArthur (Calgary) will serve as committee members. Susan Peirce, the University's alumni affairs director, remains as executive secretary.

More than 100 people attended the MAA dinner at which graduates from the

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Pre-Christmas Cocktail Reception Sunday, 6 December 1987

LOCATION: Uplands Golf Club
3300 Cadboro Bay Road
TIME: 3:00 p.m. to 6:00 p.m.
ADMISSION: \$5.50 per person (payable at the door)

There will be sandwiches and refreshments served and a cash bar available.

Theatre, Party Saturday, 27 February, 1988

PERFORMANCE: "Fisherman's Revenge"
LOCATION: Phoenix Theatre, University of Victoria
TIME: 2:00 p.m. Matinee
ADMISSION: \$7.00 per person (includes refreshments)
RSVP: (By 10 February) Betty Hanna
4070 Jason Place/Victoria V8N 4T6
Telephone 477-9277

'37 and '62 classes were honored. The evening's highlight was the awarding of the MAA Outstanding Achievement Award to Lloyd C. Grisdale, '42 BSc, '46 MD.

Dr. Grisdale has had a varied career, working in private practice, as a hospital staff member, as a university academic staff member, and as a government employee.

From 1976 to 1978, he served as associate dean of the Faculty of Medicine, then spent the next two years as executive director of the Provincial Cancer Hospitals Board. Dr. Grisdale then took on the position of deputy minister for Alberta Hospitals and Medical Care. In 1986, he was named professor emeritus of medicine, University of Alberta.

During his professional career Dr. Grisdale volunteered time to numerous boards and committees, including serving as chairman of the Boreal Institute for Northern Studies' advisory committee, chairman of the University's health sciences animal policy committee, member of the board of Amnesty International -Canada, chairman of the board of directors of Lancet Management Ltd. and president of the Canadian Medical Association.

Official Status Granted

At the October 5 Alumni Council meeting, the Faculty of Pharmacy and Pharmaceutical Sciences' alumni group was granted official status as a constituent association of the University of Alberta Alumni Association.

The newly-formed Pharmacy Alumni Association has two major goals. It hopes to increase the communication between the Faculty and its graduates, and hopes to become a channel for alumni

advice relative to the pharmacy program at the University.

The Association already has well over 100 paid, charter members, even though it has not yet begun a full-scale advertising campaign to promote membership.

Former Women's Dean Honored

A former dean of women at the University is the 1987 recipient of the highest honor bestowed by the Alumni Association.

Mrs. J. Grant Sparling, who served as dean of women at the University of Alberta from 1960 to 1968, was awarded the 1987 Alumni Golden Jubilee Award at the Homecoming '87 Dinner held on September 26.

Mrs. Sparling came to Edmonton in 1958 to work as a youth counsellor for the YWCA and in 1960 accepted the post of dean of women on campus. She has been a volunteer for many groups and agencies including the Welfare Council of Edmonton, the Victorian Order of Nurses, the National Film Board, the Anglican Church, the United Way, and the Alberta Council on Aging.

In recent years Mrs. Sparling has remained active, serving on the president's committee in the University's department of geriatric medicine, the Edmonton Inter-Faith Board, and the Operation Friendship Board. In 1984 the University of Alberta conferred on her an honorary doctor of laws degree.

The Golden Jubilee Award, the Alumni Association's highest honor, is awarded annually to an individual, not necessarily a graduate of the University, who has contributed significantly to the welfare of the University.

The University and the North

History and geography have given the University of Alberta a special relationship with the North and its people.

*By Rick Pilger**



B. Gallinger

Along the shores of the Great Slave Lake the aspen that find sustenance in the crevices of the tumbled Canadian Shield granite were enjoying the moment of glory granted them before winter's long reign, and the unearthly brilliance of the gold in which they dressed themselves was a splendid contrast to the evergreen of their more constant neighbors.

From the air the land below was a symphony in green and gold under the baton of the morning sun. It was a sight altogether worthy of poetry, and the more lyrical minded of the University of Alberta senators arriving for their September 11, 1987 meeting in Yel-

lowknife could be forgiven for discovering in the scene a welcoming carpet in the traditional colors of the University—a carpet spread in honor of the historic nature of the occasion. For the first time ever, the University of Alberta Senate would be meeting outside the boundaries of the province of Alberta. And it was entirely fitting that it should take place in the North.

The University of Alberta is proud of its connections with the North: of its historic links to the boreal regions, of the contributions its scientists and researchers have made to northern welfare and development, and of the continuing involvement of University of Alberta alumni in northern life.

For many of the senators who made the journey to Yellowknife it was a first visit to the vast lands north of the Alberta border. There were, however, some notable exceptions. Associate Chief Justice Tevie Miller, who as the University's chancellor chairs the meetings of Senate, is no stranger to the Ter-

* Portions of this article were adapted from the University's 1986-87 Annual Report of the Board of Governors, which took as its theme the University's relationship with the North. A limited number of copies of the Report are available from the Board of Governors Office, 3-1 University Hall, University of Alberta, Edmonton T6G 2J9.



At any one time, 85 to 100 graduate students at the University are actively involved in northern research projects, and many of the students go on to professional careers in the North when they graduate.

Preceding Page: Graduate student Debbie McIntosh relaxes at the end of a Northern trail. She (as is the photographer, Bonnie Gallinger) is one of a group of geography students working in the N.W.T. to monitor the effects of a disturbance simulating that created by a pipeline. Right: Digging a trench for the simulation. Above: Evidence of the various studies being undertaken is strung along the trench.

ritories. His father helped establish Yellowknife's first school for the mentally disabled, which was later named in his honor—in its new embodiment as the Abe Miller Workshop, it continues to be a fixture of education in Yellowknife—and Chancellor Miller continues his family's involvement with the North, serving as a deputy judge of the Supreme Court of the Northwest and Yukon Territories.

One of the senators appointed by the University's General Faculties Council is the dean of the Faculty of Physical Education and Recreation, Gerry Glassford. Dean Glassford's scholarly interest in the traditional games and contests of the Inuit is credited with being largely responsible for the renewed interest in this sport that ultimately led to the creation of the Arctic Games.

Another of the senators who took part in the Yellowknife meeting was literally right at home in the North. In fact, few people have as broad an understanding of the Canadian North as does John Parker, a 1951 engineering geology graduate of the University of Alberta. He has spent most of his life in Northern Canada, first as a mining engineer and since 1979 as the commissioner of the Northwest Territories, a position which has become increasingly vice-regal in nature as he has encouraged the development of self-government in the N.W.T. In this regard, an important constitutional change occurred at the end of January 1986, when Commissioner Parker turned over the chair of the Territories' executive council to the Honorable Nick Sibbeston, government leader. Like Mr.

Parker, Mr. Sibbeston is a University of Alberta graduate, having earned baccalaureate degrees in arts and law in the early 1970s.

An elected member of the U of A Senate, Commissioner Parker assisted with many of the arrangements for the Senate visit to Yellowknife and acted as host at a banquet attended by the Senate visitors, some invited residents of the Territories, and a number of University of Alberta alumni living in Yellowknife.

As the northernmost of Canada's traditional universities, the University of Alberta naturally serves a northern constituency that includes Northern Alberta, the Yukon and the Northwest Territories. It offers a wide range of academic programs relevant to the northern regions and undertakes a great deal of boreal research. Indeed, the University of Alberta is the leading Canadian university involved in northern studies—leading in terms of the number of graduate students and staff working in the North, and in terms of scholarly production related to the North.

The senators, however, did not travel to Yellowknife in search of accolades—although there were those—but to find out how the University might do a better job of meeting the needs of the people of the North. It is the responsibility of the Senate to "inquire into any matter that might tend to enhance the usefulness of the University," and the senators have recently begun to look northward within the context of that mandate. In 1986 they held their annual off-campus meeting in Peace River, Alberta, and in



April of this year they established a task force on "The University and the North." The task force was formally charged with working with the people in Northern Alberta and the Northwest Territories to: identify ways in which the University of Alberta serves the North, such as courses, programs, research or other special relationships; assess needs in the North which might be met by the University; consider a role for the University in meeting these needs; and make appropriate recommendations.

Chairperson of the new task force is Edmonton lawyer Peter Caffaro. He and his colleagues on the task force have been busy speaking with Northerners and also plan to distribute questionnaires on campus to determine what the various faculties are doing to meet the needs of the people of the North. They will also be asking the faculties if there are things that they did in the past that they are no longer doing—and if there are, why are they not done now? While the focus is decidedly on the North, Mr. Caffaro believes that many of the issues being raised will force the University to take a close look at itself in an even broader context: "What is the role of the University in this modern age, when the technology exists for delivering education over long distances using telecon-



Nahanni River Adventures

ferencing and other advanced techniques?"

While the work of the task force is far from complete, already it is evident that Northerners have some desperate needs for specialized advanced training in fields such as education, medicine and business, says Mr. Caffaro. "I think we now have a moral obligation to help the institutions that are developing in the North to meet those needs, just as McGill did when western Canada was first being developed." And the assistance should come, he says, "not with the heavy hand of paternalism, but working as equals."

Among those who accompanied the senators on their visit to Yellowknife was Ross Wein, a new University of Alberta faculty

member with an extensive background in northern research. A plant scientist with a special interest in boreal ecology, Dr. Wein was recently named director of the University's Boreal Institute for Northern Studies, where much of the University's northern research is centred.

Founded in the early 1960s, the Boreal Institute is a multidisciplinary research institute whose role is to foster northern studies in all academic departments of the University. It does this in a number of ways, but primarily through a program of grants and by encouraging various forms of communication.

The Institute's research grants program encourages graduate students to undertake northern research by providing "seed money" to initiate projects. Each year approximately \$175,000 is allocated to about 50 students, whose projects usually last two or three years. Not only is the program a stimulus to northern research, it is significant in increasing the number of young Canadians trained to undertake such work. At any one time, 85 to 100 graduate students at the University are actively involved in northern research projects, and many of the students go on to professional careers in the North when they graduate.

The Boreal Institute also sponsors conferences and seminars and publishes scholarly books and articles on northern subjects. It is a reflection of the interdisciplinary nature of the Institute's research interests that Dr. Milton Freeman, one of the three Henry Marshall Tory Professors at the University, holds appointments both in the Boreal Institute and the department of anthropology. Dr. Freeman, who recently has turned his attention to the dreams of Native people and the place of dreams in aboriginal culture, previously headed a study that conducted more than 1,600 interviews with Inuit hunters, and his work is considered an important contribution to establishing Canadian sovereignty in the North.



Nahanni River Adventures



Nahanni River Adventures



B. Gallinger

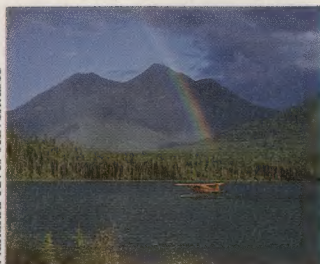


Nahanni River Adventures

Left: The beauty of the North can be as dramatic as sunrise over the Ragged Range or as delicate as the coloring of a Rock Ptarmigan.

Above top: A dogwood retains the dew of morning. Middle: Sunset in the sub-Arctic boreal forest. Bottom: The Nahanni River's spectacular Virginia Falls.

Nahanni River Adventures



Ross Wein



Above: The North embraces both the old and the new. The airplane is now a mainstay of transportation, but the past represented by these Tuk sled dog pups has not been forgotten

As a complement to its programs, the Boreal Institute maintains a world class multi-disciplinary library. The library produces three on-line databases, accessible nationwide, that abstract and index literature about the Arctic, Antarctic and other cold regions of the world. Most of the material cited in the databases is housed in the library. The collection includes many northern and Native newspapers and an extensive collection of theses and consultants' reports, as well as monographs, periodicals, and government documents. The library, located in the centre wing of the Biological Sciences Centre on campus, is open to the general public and provides library service to Northerners through inter-library loans to community libraries in the North and directly to Northerners.

As the Institute's new director, Dr. Wein is looking forward to increasing the co-operation between his centre and other circumpolar institutes in Canada and abroad. In particular, Dr. Wein is looking forward to working closely with the Boreal Institute's sister institute in Alberta, the University-of-Calgary-based Arctic Institute of North America, whose aims and programs closely parallel those of his centre.

Another University of Alberta institute that Mr. Caffaro and his task force colleagues will learn about as they investigate the University's relationship to the development of the North is the Centre for Frontier Engi-

neering Research, An incorporated, not-for-profit research arm of the University, C-FER is funded by the Devonian Group of Charitable Foundations, the Governments of Alberta and Canada, the University itself, and more than 25 firms in the private sector. These firms range from major steel and petroleum companies to manufacturers and consultants. C-FER's northern interest is in collaborative research to enhance safe economic development of Canada's frontier petroleum resources. While concerned with the basic engineering elements of the structures and systems used in developing Beaufort Sea and east coast offshore petroleum reserves, C-FER has also developed a networking program, which encourages dialogue among those with a northern interest. Its seminar series on "Northern and Offshore Information Resources" has been a central aspect of this exchange of knowledge.

While the Boreal and C-FER Institutes act as focal points for northern research at the University, academic interest in the North comes from a broad cross-section of campus. Among the University departments with northern specialists and programs in virtually all aspects of their discipline are anthropology, botany, civil engineering, geography, geology, and zoology. Several other departments at the University, including animal science, educational foundations, forest science, history,

Boreal Institute



political science, and sociology have staff members with northern interests and expertise.

The many northern research projects undertaken at the University illustrate the breadth and multidisciplinary nature of northern expertise on the University campus. For instance, northern ecology as a field of study spans all aspects of the relationships of northern plants and animals to their environment and to one another. This encompasses the work of researchers from a total of seven campus departments who are studying everything from the geographic distribution of plants and animals in the North to processes that are unique to northern ecosystems.

Researchers from the social sciences and humanities have also turned their attentions northward. Most often, their interest centres on the nature of community life in the North and its particular problems. A considerable challenge related to this is the integration of traditional knowledge and values into the dynamics of contemporary community life. Perhaps the best illustration of this is the involvement of University of Alberta faculty in the effort being made to help develop a constitutional model for the western Northwest Territories—a model which will integrate liberal-democratic principles with the traditional decision-making processes of the North and must do so within the context of the many different cultural communities that make their homes in the region.

A new aspect to the University's involvement with the North comes by way of the recently-created School of Native Studies. Amongst the School's current offerings is a course in the Slavey language, which is being taught by Sarah Cleary. A Native Northerner, she holds the Northern Dene Language Scholarship, which is jointly sponsored by the University of Alberta and the Government of the Northwest Territories. Native Studies examines aspects of northern life in other of its courses and hopes to soon be able to offer a course in the language of the western Inuit.

With its resident northern expertise, the University has often been able to serve constituencies such as government, industry and Native Northerners by undertaking reports and projects commissioned by them. Examples are the report on forest fire management in the N.W.T., produced to resolve questions about responsibility in managing forest fires; a report on overlapping land use by Dene, Inuvialuit, and Inuit in the N.W.T.; the Viral Hepatitis Study, which provides northern communities with important infor-

mation about the extent of hepatitis; the Dene Mapping Project, documenting traditional and current land use by the Dene for their land claim negotiations with the federal government; and C-FER's project on offshore structures that is being used by the petroleum industry for oil extraction and by government for the construction of ice breakers to operate in the Arctic Ocean. In addition, University staff frequently provide expert witness interventions at public hearings, Royal Commission enquiries and court proceedings related to the North.

While they are far from unappreciative of the academic interest in the North shown by the University, uppermost in the minds of most Northerners with whom the senators have spoken is the University's role in meeting the special educational needs of their communities. The senators are finding that there are many in the North who are exceedingly hungry for continuing education and who worry about their children who must go south to obtain higher education.

At the Senate meetings held in both Peace River and Yellowknife and in the meetings that the Senate task force has had to date, the same themes have emerged and re-emerged: the difficulties that Northerners, particularly

Uppermost in the minds of most Northerners with whom the senators have spoken is the University's role in meeting the special educational needs of their communities.



B. Olsen

The University Senators visit the Peace River Museum. At the far left is Task Force Chairman Peter Caffaro.

professionals working in the North, have in accessing appropriate continuing education, and the special problems experienced by young Northerners, particularly Natives, when they must deal with an institution as large and seemingly impersonal as the University. Any initiatives that the University has taken in these areas have been applauded and the desire for more has come through loud and clear, says Mr. Caffaro.

The task force chairperson says that, in Northern Alberta particularly, there is a feel-

In the Realm of Boreas

In May of 1845 two ships set sail down the Thames River on the first leg of a journey of exploration intent on completing a Northwest Passage. By this period of British exploration, the dream of an easy route to the vast potential of the Pacific had dissipated in the cold reality of the Arctic, and this particular expedition was one of scientific exploration.

Under the direction of an experienced arctic explorer Sir John Franklin, the two ships, HMS Erebus and HMS Terror, sailed across the Atlantic into the waters off the coast of Greenland where, in July of 1845, they were last seen by whalers heading towards Lancaster Sound, the accepted entrance to the Passage. The ships have never been seen since.

One hundred and twenty-nine years later the imagination of the world was recaptured by the lost Franklin Expedition—one of the Arctic's most enduring mysteries—when remarkable color photographs of the well-preserved bodies of two of the first casualties of the ill-fated voyage of discovery appeared in newspapers and magazines and on television screens all over the world.

The photographs had been taken by a research team led by two University of Alberta scientists, anthropologist Owen Beattie and pathologist Roger Amy, who were seeking new evidence to explain the fate of Franklin and his party. As a great many other northern research endeavors have been, their research project was given life with seed money from the University of Alberta's Boreal Institute for Northern Studies.

Founded at the University in 1960, the Boreal Institute is multidisciplinary in nature. Its stated purpose is the "acquisition and dissemination of knowledge about the North," and it is

interested in all things related to the realm of Boreas—the North Wind—from the tragic demise of arctic explorers, to the reproduction potential of Arctic-nesting waterfowl, from the socio-cultural conditions and consequences of Native education in the Arctic, to the overwintering of female mosquitoes near Edmonton, from the effects of tundra disturbance on wildlife habitats, to the quaternary environmental history of interior Alaska.

The list of northern research supported by the Boreal Institute in just over 25 years of operation may not be endless, but it is certainly extensive. During its first quarter century, the Institute awarded more than \$600,000 received from the federal department of Indian and northern affairs through the department's northern science training grants program. More than 400 graduate students from a wide range of University of Alberta departments have benefitted from those awards.

The Institute has also distributed almost \$900,000 to a further 400 University researchers through the Boreal Alberta Research Grants program funded by the Government of Alberta.

Most often the grants awarded by the Institute are seed money for the initiation of projects which later find other supporters as did the Franklin project.

Apart from supporting individual research, the Boreal Institute has undertaken some major research initiatives of its own. Most notable are two public health studies, one looking at aspects of infant mortality and morbidity in the North and another concerned with the spread of the Hepatitis B virus.

The Institute has also been active in encouraging the dissemination of information about the North. There have been 32 occasional publications and 184 research

papers produced as a result of the Institute's activities and, through a series of summer schools, it has introduced many people to the North in a very direct way. Between the years 1971 to 1981, the Institute organized 10 Arctic Summer Schools, three Yukon Summer Schools and three Eastern Arctic Schools.

Central to much of what the Institute does is its research library, which has become world-class in stature. The Boreal Institute Library, which is open to the public, now contains more than 110,000 pieces of northern literature to support the research work of the Institute and its visitors. In the past year, more than 8,000 pieces of northern literature and material in microform have been added to the collection. About half of these were either donations or resulted from the Institute's literature exchange program with other circumpolar libraries.

While the research that the Institute supports is still heavily focussed in northern Alberta—30 researchers in 1986-87—and northern Canada—58 researchers in 1986-87, the Institute is increasingly broadening its scope, and in the past year seven of its researchers were co-operants with other circumpolar teams.

The co-operation works both ways. During the same period of time, the Institute welcomed co-operating researchers from Australia, Britain, Finland, Germany, Greenland, Iceland, Japan, Norway, Sweden, the U.S.A. and the U.S.S.R.

At an institutional level, letters of agreement have recently been signed and research projects have been initiated with the Northern Regions Centre in Hokkaido, Japan and with the Centre for Arctic Cultural Research in Umeå, Sweden.

Another milestone in the Institute's development was the appointment of a new director this past year. He is

Ross Wein, who holds baccalaureate and master's degrees from the University of Guelph and a doctorate from Utah State University. Dr. Wein is not a stranger to the University of Alberta, having studied at the University from 1969 to 1971 while he was the holder of a National Research Council Postdoctoral Fellowship. He later joined the faculty of the biology department at the University of New Brunswick and was professor of biology and director of the Fire Science Centre at UNB immediately prior to taking up his Boreal Institute appointment on July 1, 1987.

Dr. Wein's personal research interests focus on the ecological effects of burning, with particular reference to the impact on plants and soils. He is currently involved in a project examining the environmental effects of fires in Wood Buffalo National Park.

In discussing the future of the Boreal Institute for Northern Studies, Dr. Wein says that the Institute plans to give high priority to stimulating greater research co-operation among University of Alberta researchers, regardless of their departmental affiliation. He also foresees an evolution in two distinct but not unrelated paths: towards increasingly active research co-operation with other circumpolar institutes, both in Canada and other nations, and towards a closer working relationship with Northerners and northern groups.

Dr. Wein is also looking forward to meeting and visiting with those graduates who have benefitted from the Institute's programs. "I would be delighted to hear from our alumni who are interested in promoting northern research," he says. It is his hope that the Institute can involve its graduates more closely in its operations and special endeavors in the future.

ing that the infrastructure for advanced and continuing education already exists through the community and vocational colleges and what is desired is the University's co-operation in developing a higher level and quality of offerings for delivery through these institutions. "Northerners don't want to have to trek down to Edmonton until absolutely necessary," he says.

Mr. Caffaro also suggests that the University might have to take a good look at the services that it provides for Northern students. He says that it well might be that simply having the services available is not enough; the students might have to actually be taken in hand and led to them. "People used to living in the closely-knit communities of the North can be inhibited in seeking the services available to them. They have to be taught to ask for things."

Also of great concern to the residents of the North is their need for professionals prepared to serve in their very special environment. This is something that has been addressed by a number of faculties. Best known, perhaps, are the initiatives taken in Nursing, but others have come in Law, Education and Medicine. The Faculty of Nursing has taken various steps to improve nursing in the North and to train nurses for northern service. The Faculty serves as a resource contact for nurses in Inuvik and Whitehorse and offers training programs in outlying regions for nurses to gain experience in northern and isolated settings. The Faculty of Medicine has programs to give doctors northern experience and to encourage research in the Western Arctic.

Undertakings such as these are tremendously welcome in the North, and—as the

senators are learning—such is the need that Northerners are looking to the University for greatly increased involvement in this area. Mr. Caffaro adds some perspective to this need by pointing out that Canadian population statistics show that the North, and especially northern Alberta, is the fastest growing region of Canada. "We're sitting on a population time bomb," he says.

Important, too, says Mr. Caffaro, is the need to completely integrate the programs of northern service into the professional faculties. He and his colleagues are hearing that too often in the past initiatives have relied on the energy of individual faculty members, and when these people have moved on or—as has often been the case—"simply burned out" the programs have fallen by the wayside.

The Senate Task Force on the University and the North will continue its meetings throughout the winter and Mr. Caffaro hopes to have a report—even if it is only an interim report—ready for Senate's 1988 fall session. In the meantime, the task force will be continuing its discussions with the people of the North. It welcomes briefs from all interested individuals or institutions. Briefs can either be presented in person during the task force visits to northern communities or submitted in writing to the Senate Office at the University.

Mr. Caffaro says that he has been impressed by the number and quality of the briefs that have already been received. "What is coming out loud and clear," he says, "is that the people of the North still look to Edmonton and the University of Alberta for leadership in higher education—it is now up to the University to respond." ■

"People used to living in the closely-knit communities of the North can be inhibited in seeking the services available to them. They have to be taught to ask for things."



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Measures to Limit Enrollment

In the wake of another year of dramatic enrollment increases, which brought the University's enrollment to a record 30,063 students this fall, the University's top academic decision-making body, General Faculties Council, has given approval to measures designed to limit enrollment at the University.

The measures approved on September 28 will see the size of the University cut to 25,000 students (20,000 undergraduate and 5,000 graduate students) by 1997. A central feature is the raising of the University's minimum entrance requirement from a 65 per cent average to 70 per cent effective September 1988 for students entering the University for the first time. The University's vice-president, academic, Peter Meekison, who introduced the item on University size and balance to GFC, noted the concerns of many people about the size of the University resulting from growth that has "continued more or less unchecked since 1982."

"At some point we have to say we can no longer accept more students," he said, calling for the ceiling on enrollment "in recognition of the human, physical, and financial resources available to the University at the present time."

In discussing the 70 per cent entrance standard, Students' Union President Tim Boston commented that the public perception of the University might be that is an elitist institution. Dr. Meekison, who stated that "a great deal of thought and anguish has gone into the preparation of this motion," said that, in his view, the policy was not elitist. "My concern is the over-all size

and capacity of the University," he said, and described the 70 per cent standard as a "fair and systematic manner of reducing enrollments across the board."

President Myer Horowitz, who chairs the GFC meetings, urged the Council to seek greater clarity with regard to the province's commitment to accessibility. "It's just not possible to accommodate more people with fewer resources," he said.

New Name for Map Collection

The University of Alberta Map Collection has been renamed in honor of a longtime faculty member in the geography department.

Its new name is the "William C. Wonders Map Collection" — recognition of the many contributions made by Dr. Wonders, who came to the University in 1953 and founded the department of geography four years later.

Dr. Wonders is particularly well-known for his interest in northern regions and is one of the founders of the Boreal Institute for Northern Studies at the University. His contributions to northern development include a major study commissioned by the federal government which made recommendations on overlapping land use and

Dr. Wonders



Artist Yates (right) oversees installation of his mural.

land claims by the Dene, Metis, Inuvialuit and Inuit in the N.W.T.

Dr. Wonders is the author of four books and more than 30 articles on the North. In recognition of his northern contributions, he was awarded an honorary degree by the University of Uppsala in Sweden, and in 1979 he was elected a fellow of the Royal Society of Canada. The University of Alberta conferred the prestigious appointment of university professor upon him in 1983.

The map collection named in Dr. Wonders' honor comprises approximately 300,000 map sheets, 4,000 atlases and 1.5 million aerial photographs.

Mural Adds Color

Perhaps the University's vice-president (administration), Allan Warrack, said it best: "The old grey wall, it ain't what it used to be."

Indeed not. The massive north wall of the Education Centre's north wing is no longer a huge blank space. Artist Norman Yates has transformed it into a festival of color (particularly, blues, reds and yellows) with what may well be North America's largest outdoor mural.

The mural is Professor Yates's own vision of the

western Canadian landscape, and he personally painted each of the 204 panels which were assembled into place for the finished artwork. It is approximately 42 metres wide by 20 metres high—almost half the size of a football field.

Gift Creates First Arts Chair

A generous donation from a Toronto couple has made possible the University's first endowed Chair in the Faculty of Arts.

On September 24, 1987 Erast and Lydia Huculak of Toronto contributed a cheque for \$250,000 to the University's Endowment Fund for Ukrainian Folklore, thereby creating the Huculak Chair for Ukrainian Culture and Ethnography in the Faculty of Arts' department of Slavic and East European studies.

At ceremonies celebrating the founding of the historic Chair, Mr. and Mrs. Huculak spoke of their desire to give something back to Canada, of a wish to support the lasting values of culture, and of a hope that the Chair could serve to promote Ukrainian culture and ethnography in a way that has too often been denied Ukrainians in their

homeland. The couple made their gift after visiting the Edmonton area and seeing for themselves the extensive work being done in Ukrainian culture. Among the others who took part in the September 24 ceremonies was the University's vice-president (academic), Peter Meekison, who expressed the University's gratitude and its commitment to the Chair. Also present was the Alberta minister of advanced education, the Honorable David Russell. He thanked the Huculaks for their support for Alberta's Advanced Education Endowment Program and noted how well the new Chair fits in with his government's multiculturalism policy.

With the matching of the Huculak's gift two-for-one as provided under the Province's support for endowments to advanced education, funding for the new Chair comes to well over \$800,000. That is tantalizingly close to the full funding needed, says R.L. Busch, chairman of Slavic and East European Studies.

The ultimate funding target for the Chair is \$1,200,000, says Dr. Busch—and with the government's matching provisions, realizing that goal requires only a further \$115,000 in private support. Dr. Busch invites those wishing to support the Chair to make donations to the Endowment Fund for Ukrainian Folklore. Details can be obtained from his office (432-3273) or the University's Development Office (432-4418).

Achievers Inducted

The winningest coach in intercollegiate hockey history and a politician with an enviable winning record of his own were among those recently honored by induction into the U of A's Sports Wall of Fame.

Longtime Golden Bear hockey coach Clare Drake and former Alberta premier Peter Lougheed, who successfully combined athletics with his other student activities in the mid-1950s, were two of six individuals honored at the 1987 Sports Wall of Fame Dinner held in September.

Also inducted were the late W. George Hardy (head of the University's classics department for 26 years), whose efforts on behalf of intercollegiate hockey made the U of A program one of the strongest in the country; Cathy (Galusha) McMillan, awarded the Bakewell Trophy as the University's

outstanding female athlete in 1967; Harold Richard, a consummate athlete who helped the Golden Bears win championships in football, baseball and track and field in the 1930s; and Irwin Servold, the 1959 recipient of the Wilson Trophy as the University's outstanding male athlete.

Around and About

■ "Saturday Morning at the Law School" is the title of a series of free public seminars being held at the University's Law Centre this year. At the sessions, lawyers discuss legal topics of general interest, such as maintenance enforcement (November 28) and the law of the workplace (January 23). Information about the seminars can be obtained from the Faculty of Law, 432-3115.

■ Among the distinguished visitors to campus in recent months was Her Excellency Jean Sauvé, governor-general of Canada, who delivered the 1987 Henry Marshall Tory Lecture. She took as her topic "The Impact of Youth on Our Society" for the annual lecture sponsored by the Friends of the University.

■ The University's Board of Governors has given consent to the establishment of a department of clinical psychology in the Faculty of Arts if an appropriate level of funding is available. At present there is no PhD program in clinical psychology in Alberta; however, effective in 1990, clinical psychologists seeking a first time certification in the province will be required to hold a PhD. If funding support is forthcoming, the new department will offer both MA and PhD programs.

■ On September 23, 1987, Dr. T.L. Nagabhushan, vice-president, biotechnology of Schering-Plough Corporation, New Jersey delivered the first lecture in the biotechnology lecture series recently established in honor of University Professor Emeritus Raymond Lemieux. The lecture series (likely featuring four lectures per year) is designed to recognize Dr. Lemieux's

"pioneering contribution to the development of the biotechnology industry in Alberta." The inaugural lecturer is a former PhD student of Dr. Lemieux's who graduated from the University in 1966. His company, Schering-Plough, is considered to be perhaps the most comprehensive biotechnology company in the world.

■ The Alberta Pork Congress has bestowed its 1987 Pork Industry Leadership Award upon Frank Aherne, professor of animal science at the University.

■ The entry submitted by U of A English student Bradin Cormack was selected from some 900 other poems to win first prize in the 1987 Annual College Poetry Competition sponsored by *Lyric*, North America's oldest magazine devoted to the publication of traditional poetry. His poem, "Horus Watches Over the Child Ramses," is featured in the magazine's fall issue.

■ A new lectureship in biochemistry has been created to commemorate John Colter's 26 years as chairman of the University's department of biochemistry, and in recognition of his leadership in promoting and expanding biomedical research. The John S. Colter Lectureship in Biochemistry, being created through private donations, will annually bring a distinguished scientist in biochemistry, or molecular or cell biology, to campus.

■ U of A biochemist Wolfgang J. Schneider was awarded the 1987 Curt Adam Prize by the German Society for Continuing Education of Physicians for his studies on the cell receptor responsible for the removal

from plasma of the cholesterol-carrying low density lipoprotein.

■ Timothy Clarke, a University medical student, recently won the Roche Laboratories Award for Overall Excellence of Research in the Basic Sciences, as well as the first-place James W. McLaughlin Award in Infectious Diseases and Immunology, at the 28th Annual National Student Research Forum in Texas.

■ The University's Rheumatic Disease Unit has a new microscope thanks to the generosity of the Arthritis Association of Edmonton and the Lupus Erythematosus Society of Alberta, whose donations of \$2,500 and \$2,550 respectively made the purchase possible.

■ The *Atlas of Alberta Lakes* is being prepared on campus. Work on the *Atlas*, which will provide very detailed information relating to 110 lakes and reservoirs in Alberta, began in January. Funding comes by way of the Alberta Recreation, Parks and Wildlife Foundation (\$35,000), the research management division of Alberta Environment (\$25,000), and the Water Resources Commission (\$24,000).

■ A group of 25 Japanese pharmacy students visited the University of Alberta this summer as part of an accord recently signed between the University's Faculty of Pharmacy and Pharmaceutical Sciences and the Faculty's sister school at Toho University in Japan. Further exchanges are planned, and U of A graduate students and staff members will have the opportunity to visit Toho, which lies on the outskirts of Tokyo.

Something Worth Celebrating: The Killam Legacy

by Rowland McMaster

One hundred and twenty-five million dollars, even today, is a tidy sum. The odd oil-sheik might think scorn of it. But as applied to education and research, it is a sum that even governments might congratulate themselves on providing, were they so inclined (to provide it, that is, not to congratulate themselves).

As the gift of one family, it is the sort of thing we associate with Rhodes or the Carnegies, whose alien generosity has supported many Canadian students. Canadians—perhaps it is the legacy of our Scottish bankers and canny fur traders—have been less remarkable as individual benefactors. And in a period of nationalistic insularity, when foreign students here as abroad are generally discriminated against by such measures as higher fees for foreigners, to provide such large support without nationalistic strings attached, is again a sign of generous enlightenment.

The gift is exceptional, the terms magnanimous, and the aim, unambiguously, excellence.

The bequest to which I refer, and whose twentieth anniversary we in the University of Alberta have special reason to celebrate this year, is that of Izaak Walton Killam and his wife, Dorothy. In her own words:

My purpose in establishing the Killam Trusts is to help in the building of Canada's future by encouraging advanced study. Thereby I hope, in some measure, to increase the scientific and scholastic attainment of Canadians, to develop and expand the work of Canadian universities, and to promote sympathetic understanding between Canadians and the peoples of other countries.

Precisely stated, nobly accomplished, and still accomplishing.

This year, the twentieth year of the program's operation, is being celebrated in several events on campus. On September 29 an anniversary dinner was attended by Killam scholars and their supervisors, Killam chair holders and recipients of the Canada Council Killam Prize, Killam trustees, University dignitaries, representatives from the other institutions supported by Killam funds, politicians, members of the Killam committees, and other interested parties, the focus being on the work of the scholars, each of whom gave a short summary of his or her research. At the dinner a plaque, commemorating the Killam program here, was unveiled by Mr. Donald Byers, the principal trustee.

Dorothy Killam died in 1965, and her will, implementing plans she had discussed often with her husband, gave funds in trust to Dalhousie University (Izaak was a Maritimer born at Yarmouth), the Montreal Neurological Institute (a relative's multiple sclerosis aroused his interest in it), the University of British Columbia (Killam's corporation, Royal Securities, had pulp and paper companies in B.C.), the University of Alberta (power companies in Alberta), and the Canada Council (excellent choice—my distinguished wife holds a Killam grant from the Canada Council as I write).

At the University of Alberta, Killam funds support two permanent academic chairs held by scholars of the highest distinction, 25 annual doctoral scholarships, and 10 postdoctoral fellowships, as well as contributing general revenues to the University.

The Killam Chairs are held by Dr. Hiroomi Umezawa, Killam Professor of Physics

(distinguished for work in sub-atomic particles), and Dr. Terrence Caelli, Killam Professor of Psychology (distinguished for work in robotics and vision research). The doctoral and post-doctoral scholars come from all over the world, and past Killam scholars now hold important positions in



Dorothy Killam

education, government and business throughout the world. The criterion for the selection of Killam scholars is excellence. They are the best.

How important the Killam funds are to us in these days, when the government's culture hero seems to be "Mac the Knife," can be seen in one small detail: that before the Killam program began here there were something like 30 postdoctoral fellowships funded within the University—now there are none except for the 10 or so Killam Postdoctorals.

Killam money given to the Canada Council has supported hundreds of established scholars with Killam Research Fellowships. In addition, the Council's most prestigious award is the Izaak Killam Memorial Prize, \$50,000 tax free given in recognition of outstanding career achievement in the natural sciences, medicine or engineering. This major and comfortable award has been won by two University of Alberta professors: by Werner Israel, university

professor of physics, for his work on the mathematics of "black holes," and Raymond Lemieux, university professor emeritus of chemistry, for research in biotechnology. Both of them have been mentioned frequently in speculation about likely winners of the Nobel Prize.

A Killam Speakers Series (on topics of general interest to the public) will be inaugurated by one of the world's most distinguished scientists, Dr. John Polanyi, a onetime Canada Council Killam Fellow himself and winner of the Nobel Prize. He will speak on December 7, 1987 on the topic: "The Responsibility of the Scientist—In an Age of Science, What Are the Obligations of a Scientist to Society?" (The talk is tentatively scheduled for 8 p.m. at the Tory Turtle.)

The people to whom we owe our gratitude for such enlightened support of scholarship were interesting in themselves. Izaak Walton Killam became interesting the moment he was christened—Izaak Walton.

One expects a degree of piscine preoccupation from Maritimers, but to name a son after the writer of *The Compleat Angler* argues a special sense of values, of shaping determination, of prophecy. It worked to the extent that Killam turned out to be an ardent salmon fisherman.

Starting as a junior bank clerk in Yarmouth, Killam was transferred to the head office in Halifax where he fell in with Max Aitken (Lord Beaverbrook)—Killam was 19, Aitken 25. Aitken persuaded him to join Royal Securities and that connection was the basis of his financial career.

Killam was a modest and notoriously silent gentleman who made money, a lot of it, or as one tabloid put it: "more money than Little Orphan Annie's Daddy Warbucks—and that's plenty!" He kept his

reactions to life, wrote one reporter, "well locked in a mental safety deposit box." Another wrote, "He sometimes goes to a hockey game and now and then to the theatre, at both of which he displays all the enthusiastic interest of a blind man in an art gallery." The charitable contributions



Izaak Walton Killam

he made during his lifetime were characteristically anonymous.

Dorothy Killam, born in St Louis, made up for his reserve. She was a knowledgeable and widely travelled extrovert. When 22 years old, she attended a high-society dinner in Montreal, saw Killam, who was then 37, and announced that she would marry him. She did. She lived up to the family name by learning to fish for salmon with a fly rod.

Both Killams liked baseball. It was rumored he thought of buying the Brooklyn Dodgers for her, but she said that was mostly a joke.

Loving opera, Dorothy was a member of the Metropolitan Opera's board, and contributed generously to its productions. She thought diamonds were, if not a girl's best friend, at least worthy of very close acquaintance; he thought they were an excellent investment; together they acquired one of the great collections.

Dorothy had a gusto for life, and life as millionaires

could live it. When she travelled, first class of course, her servants also travelled first class—is that democratic or patrician? There is a story that she expected her dogs to fly first class, that she even got them aboard once only to be left in sole possession as Air Canada, seeing no other way around the contretemps, transferred all the other passengers to another plane and flew off without her.

As winter homes, the Killams had two Bahama mansions, one called Graycliff built originally by a pirate (now an exclusive hotel). Both had excellent pools because she was an excellent swimmer, good enough to give pointers to military frogmen. The Duke and Duchess of Windsor, with whom they hobnobbed, were next door neighbors. Dorothy used the mansion, along with several other richly appointed residences, until her death.

In one of his novels, Thackeray mentions the complicated exhilaration felt by a young man as his uncle, a retired major, shakes hands with (or, rather, grasps a single gloved and languidly outstretched finger of) the Duke of Wellington: "all Pen's blood tingled, as he found himself in actual communication, as it were, with this famous man (for Pen had possession of the major's left arm, whilst that gentleman's other wing was engaged with his Grace's right)." I recall that one of the more esoteric pleasures of an insignificant member of the Killam Scholarship Committee, in its early days, was getting updates from time to time on the enormous sums gradually accumulating from the sale of such items as the Killam jewellery and the Bahama mansion—an electric sense of distant and enormous wealth tingling like an attenuated contact with the great Duke's outstretched finger.

Interestingly, for people

who contributed so grandly to the furtherance of scholarship, neither of the Killams was a university graduate. Nevertheless, their impact on Canadian intellectual life has been enormous. Killam evidently had a scruple about avoiding death duties, and when he died the government of Canada, taking half of his estate and adding to it the proceeds from Sir James Dunn's, established the Canada Council, which ever since has put millions into the intellectual and cultural life of Canada.

When Killam died in 1955, Dorothy Killam was left with about \$40 million. And though she may not have graduated from a university, she had certainly been instructed by the best of financial teachers—as she put it, "Walton started by teaching me the ABCs and by the time he died I knew the XYZs." By the time she died 10 years later, her estate had grown to almost \$100 million.

Killam had left all his money to her, and her will then gave effect to the plans they had discussed together towards the end of his life. She left \$8 million to build the Izaak Walton Killam Hospital for Children in Halifax as a memorial to her husband, and to the university closest to home, Dalhousie, she left a cool \$30 million.

So much for the past. For two decades under the auspices of the Killam program brilliant young scholars, hundreds of them, have been acquiring their degrees and continuing their advanced studies in everything from chemistry to Caribbean poetry and then dispersing throughout Canada and the world to exercise their developed capabilities. The impact of their work cannot help but be great. It is something worth celebrating.

Rowland McMaster is a professor of English at the University of Alberta.

The
Faculty of Education
Alumni Association
presents

An Evening with Myer Horowitz

January 22, 1988

Cocktails: 6:00 p.m.
Dinner: 7:00 p.m.
Speaker: 8:30 p.m.

Westin Hotel
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A University librarian details the most urgent problem facing libraries today.

By Georgina Lewis

A Race Against Time: Saving the Library's Books



Given the rate at which the books in our research libraries are deteriorating, the twenty-first century could well become the "New Dark Age." In the wake of technologies with exciting promises for the creation, storage, and retrieval of information, it is easy to lose sight of the fact that the record of civilization still rests primarily on the written word. That record is threatened with extinction because the organic materials used to produce books are inherently impermanent.

Under ideal conditions the natural process of decay is so gradual that it is barely noticeable in old manuscripts and early printed works. However, modern papermaking techniques dating from the nineteenth century have rapidly accelerated the rate of self-destruction of millions of volume. The groundwood pulp, alum-rosin sizing, and inks used to produce modern books and documents are all highly acidic, and this has caused many books to turn to dust right on the library shelves. The problem of acid deterioration is so acute that without drastic measures millions of publications from the early twentieth century will probably be unusable or completely lost by the year 2000.

The process of inherent destruction is hurried along by a wide range of environmental hazards. Biological predators such as vermin and insects are attracted to libraries either by the organic ingredients of books and bindings, or by foreign wastes, such as food brought into the bookstacks. Poor temperature, humidity and lighting conditions in library buildings lead to mould, fading, and premature aging. Natural catastrophes, accidents and deliberate vandalism can bring immediate and devastating destruction. No library is immune from fires, floods, violent storms, burst water pipes, malfunctioning equipment or human depredation.

The shocking damage of the Florence flood of 1966 was the combined result of destructive natural forces and environmental pollutants. North America has seen the damage or loss of millions of volumes in a variety of separate incidents: 12,000 volumes lost in a fire at the University of Toronto's Engineering Library (1977); 70,000 books lost and 150,000 damaged at the Jewish Theological Seminary Library, New York (1966); 50,000 volumes at Stanford University Library soaked when a water main failed (1978); more than one million volumes affected by two separate incidents of arson at the Los Angeles Public Library (1986); the Weldon Law Library at Dalhousie University destroyed by fire in 1985.

Consider, as well, the everyday stresses upon a collection: books pulled from the shelf by their headbands suffer weakened spines; open books stacked one on top of another, or pressed along the spine break; and many other books are ruined long before their time by food stains, underlining, or having pictures or text torn or cut out.

In large libraries, like that of the University of Alberta, which holds nearly three million printed volumes, even a quick survey of the collection indicates that conservation is both an urgent and complex matter. We must face the harsh reality of the large number of volumes needing treatment, the variety and magnitude of the tasks to be done, and inadequate funding. What are our options?

The preservation of library materials is a world-wide concern. In 1986, a meeting sponsored co-operatively by the Conference of Library Directors, the International Federation of Library Associations, and UNESCO was held in Vienna to address the issues. Nevertheless, collection conservation is still an evolving field where old ideas and creative experimentation come together. It includes traditional functions such as binding and repair, building maintenance and environmental control, the nuts and bolts of disaster planning, and the high-tech work of mass paper deacidification, conservation laboratory paper restoration, and preservation microfilming. All of these conservation measures can be very complex and costly. In-house repair programs and environmental controls are the basic responsibility of individual institutions, but labor and material costs, the nature of the work (nobody lines up to dust the bookstacks), and the enormity of the task guarantee that progress will be slow. Disaster contingency planning requires time, effort, and reaching out to the community, and it is difficult for libraries which are hard-pressed to meet immediate

demands, to plan for the unknown.

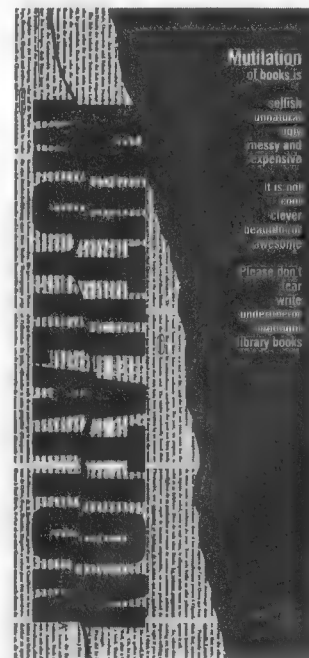
Although treatment of damaged and deteriorating books is the most urgent problem facing libraries today, most libraries have a tremendous backlog and lack access to much of the technology and information required to make significant inroads. Unfortunately, inter-institutional co-operation, which would allow many libraries to participate in cost effective programs and minimize duplication of effort, is still relatively rare.

There are three preservation options for dealing with that first priority, paper deterioration: phased or full restoration in a paper conservation laboratory, filming or other facsimile reproduction, and mass paper deacidification. None of these methods is universally applicable, and all have important implications in terms of their cost effectiveness and usefulness. Laboratory restoration is a meticulous process, labor and technology intensive. The paper conservator uses traditional techniques supplemented by modern technology. A book may be entirely rebound, a tear painstakingly mended or pages gently cleaned and strengthened. The average cost for treatment of this type is \$300 to \$500 per volume. Clearly, not every damaged book warrants this special treatment. For those that do, there is a long waiting list.

For the majority of brittle or damaged books, libraries have emphasized saving their intellectual content through facsimile reproduction, chiefly microfilming. While this is a more practical solution to the problem of conservation, it too has drawbacks. Preparing material for filming can be staff intensive, and given the current state of record keeping, there is always the possibility of duplicating another library's efforts. Library clientele remain highly resistant to using microforms, even if they cannot get their information any other way. Moreover, there are some unresolved questions about the permanence of archival quality microfilm. While newer technologies such as optical discs are promising, their potential for preservation is yet unknown.

Chemical deacidification of paper has been under consideration for some time as a method of arresting the slow destruction of books. What has been sought is a method that can be used cost effectively on a large scale. Realistically, chemical deacidification is an attempt to buy time. It will only stabilize paper at the level of acidity during the time of treatment, although experiments are underway to introduce a strengthening agent at the same time. So far, only two mass deacidification processes are available for serious

In the wake of technologies with exciting promises for the creation, storage and retrieval of information, it is easy to lose sight of the fact that the record of civilization still rests primarily on the written word.



(Above) With the help of the Campus Public Affairs Office (B. Koenig, designer), the Library created award-winning posters to promote conservation of its books.

(Opposite page) The author holds a damaged volume. Behind her are hundreds of books awaiting repair.

We must face the harsh reality of the large number of volumes needing treatment, the variety and magnitude of the tasks to be done, and inadequate funding.

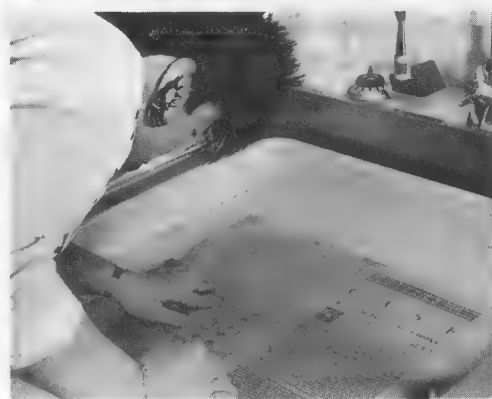


(DEZ) process is heavily supported by the Library of Congress in Washington. The Wei T'o Nonaqueous Book Deacidification System is a liquified gas process now being used in a pilot project at the Public Archives/National Library of Canada.

There are significant unresolved questions about both processes, in particular, the lack of any independent testing. DEZ is highly volatile and was the cause of several fires and an explosion that resulted in the dismantling of the Library of Congress' test facility at the Goddard Space Flight Center. Expertise in handling the material is therefore essential. There is some question about how effectively a large load can be treated with DEZ, and cost efficiency must be carefully examined.

Wei T'o, on the other hand, is cost effective on a smaller scale and the process is a safe one. It does, however, require sorting of materials to eliminate or treat papers with unstable inks. Because the formula is produced by a relatively small, private company, there is some concern about obsolescence. However, the Public Archives and National Library have reported favorably on Wei T'o.

The University of Alberta Library is currently developing a strategy toward the conservation of its collections. At present, a conservation laboratory and a trained paper conservator serve the books in the Bruce Peel Special Collections Library and provide occasional assistance for the general collections. Area libraries routinely have material rebound (although this has suffered from budget cuts) and provide varying levels of repair and maintenance. However it is clear that a more structured and aggressive program is needed, and the Library has taken some initiative in this direction. A disaster contingency manual was recently completed



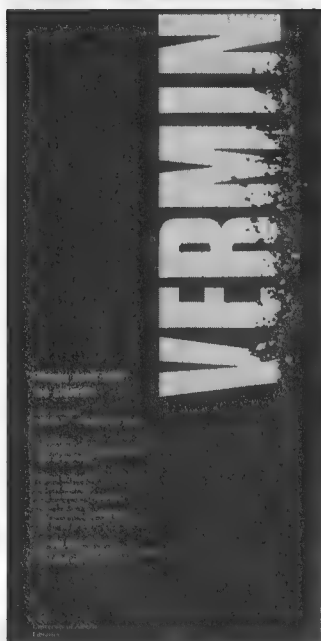
Laboratory restoration is a meticulous process: Conservation technician Caroline Poon cleans and washes a damaged book section.

and a training program for salvage and recovery is underway. The Library is also undertaking a survey of the condition of its collection and of collection maintenance efforts and is now analyzing the data.

The University of Alberta Library intends to go much further. We are committed to the care of our own collections, and our size and position among libraries in the Prairies make us a natural leader in regional co-operation. The Library has recently developed a proposal for a regional conservation facility to be based at the University of Alberta. Ideally, the facility would incorporate a mass deacidification unit, a paper conservation laboratory, and a microfilm unit. It would serve, on a cost-recovery basis, the paper conservation needs of all university divisions, and would also offer services to clientele across the western region.

Such a facility, if it comes to pass, would be unique in Canada as a co-operative effort, and it would go a long way toward preserving our unique and important collections for the future. We are in a race against time, and we cannot afford to be runner-up. ■

Georgina Lewis is collection management planning and projects librarian in the University of Alberta Library system



"Please don't feed the animals." Food brought into the Library bookstocks attracts vermin and insects, hastening the natural process of decay.

John and Helen Parker

Helen Parker indicates the shelves along the wall in the living room of her comfortable Yellowknife home and admits that, from a purely aesthetic point of view, the artwork on display is undoubtedly overcrowded. But, to her, the soapstone and ivory Inuit carvings are more than art; they represent memories of more than 30 years of living and travelling in the Northwest Territories.

"Friends," she calls them.

"Friends," is a word that Mrs. Parker comes back to time and again as she talks about life "North of 60," where she came as a bride in 1955. Then, her husband was a geological engineer and manager of the Rayrock Mine for the Byrne Companies. Today, John Havelock Parker applies his broad knowledge of the North in his position as the federally-appointed commissioner for the Northwest Territories.

Both the Parkers consider the friendships they have made and the interesting people they have met to be among the many rewards of their life in the North.

"You might think of the North as being isolated, but it is anything but," says the commissioner. "There is a constant flow of interesting people living here and passing through, and we have excellent air services."

His wife agrees. She admits that she once had visions of being stuck away from the world, but that was before she came North. "It was a real surprise when I first came here," she says. "There were so many well-educated, well-travelled and just interesting people—and it remains so to this day."

And that brings her back to her favorite theme: friends. "In the early years there was no road to the outside, no long distance

phone service. Friends were exceedingly important—friends were your family. Very few people had family here and we didn't even hear from mom and dad on the phone. We had to rely on friends for everything."

Both the Parkers are originally from southern Alberta. He from near Didsbury; she from Calgary. They met at the University of Alberta, where she earned a bachelor of arts degree in 1952. He graduated the year before, one of three graduates conferred a bachelor of science degree in engineering geology (mining pattern)—an oddball sort of course that "two or three of us pressed on the department," recalls the commissioner.

Mr. Parker's association with Canada's northern regions began in 1949 through summer employment in northern Saskatchewan and the Northwest Territories with Eldorado Mining and Refining's exploration department. After graduation and prior to his transfer to Yellowknife in 1954, Mr. Parker was geologist and managing engineer for Norman W. Bryne Limited, Consulting Engineers at Uranium City, Saskatchewan.

In 1964, Mr. Parker became president of and senior partner in Precambrian Mining Services Limited, an engineering consulting and mining exploration company with headquarters in Yellowknife. By this time, he had already begun what was to become his second career: public service. In 1958, he ran for Yellowknife Town Council and was elected. Following five years as a councillor, he served for three years as mayor of Yellowknife.

While he was mayor, a 1965 federal order-in-council appointed him to the Carrothers Commission, which resulted in the

establishment of a resident territorial government administration and served as a blueprint for the political and constitutional developments which followed.

One of the most vivid memories Mrs. Parker has of her years in Yellowknife is of September 18, 1967 when



The Parkers

"the government arrived in one airplane." Yellowknife had been selected as the N.W.T. capital in January, 1967 and in September the civil service arrived from Ottawa on a DC7. In March of that same year, her husband had been appointed deputy commissioner of the N.W.T., and he succeeded Stuart M. Hodgson, Q.C. as commissioner in 1979.

Since Mr. Parker has become commissioner, the position has become, in his words, "more and more analogous to that of a lieutenant-governor." Largely that has been of his own design. Gradually he has passed on the day-to-day executive duties of government to elected ministers. It is a process that has been going on for some time, he says, and will eventually lead to the need

for further constitutional changes.

Whatever constitutional moves may arise, an "absolute requirement," he says, is that Native people, who make up 60 per cent of the population of the N.W.T., must play a major role: "The Native people must take a major part in constitutional changes—changes must be made in concert with them, not in any way in opposition to them."

A concern more immediate than constitutional change is the need to create jobs for the many Northerners looking to join the wage economy. Commissioner Parker describes this as "of paramount importance," and speaks of the rapidly growing population with good education, many of whom do not want to leave the North to find jobs. "and there should be no need for them to," he says.

In almost four decades spent in the North, Commissioner Parker has developed deep feelings for the northern countryside. He has especially enjoyed the feeling of closeness to the environment—being part of it—that the North fosters. And his work has fit in exceedingly well with his interests in geography and demography, taking him to all corners of the Territories.

"It has been a good place to raise a family," he says. The Parkers have two children, both now living in the Edmonton area. Like their parents, both the younger Parkers left home for studies at the U of A; Sharon in education and Gordon in economics.

Mrs. Parker shares her husband's enthusiasm for the North and its geography and speaks of its diversity and scenic grandeur. She, too, has enjoyed the travel that has been part of her husband's work: "We've been to almost every community in the North and enjoyed it immensely. It's

been a lot of fun. The people are great, interesting and warm."

Along the way the Parkers have acquired many friends, not all of them animate.

Candace Savage, '71 BA

One of the things that writer Candace Savage likes about life in the North is that—to her at least—it is different.

"Living here is the first time I've had a strong feeling of not being where I'm from," she says. Born in Grande Prairie, Alberta, she lived in a variety of places in southern Canada before moving to Yellowknife, N.W.T. in 1984, but in all of those southern centres she found the "basic assumptions" with which she had grown up to be the same. Not so in the North.

She tries to explain: "The people who count are different, the annual calendar is different—I don't know how to tell the time. Is it time to go looking for muskrat? . . . or time to plant my garden?"

Rather than finding the differentness threatening, Ms. Savage finds it invigorating. She also finds the context of life in the North to be exciting, she says, referring to the mix between some parts of the process of the twentieth century and the traditional

Writer Savage and Diana



ways and wisdom of the North and its people.

That mix is an everyday consideration for Ms. Savage, who came to Yellowknife to accept a position with the Science Institute of the Northwest Territories. She is the co-ordinator of information and education for the Institute, which was formed to encourage the people of the N.W.T. to become involved in scientific research.

The Institute's definition of science is deliberately inclusive, encompassing the empirical knowledge of Native people. One of its major aims is to increase the collaboration between the scientific establishment and the Native peoples.

In addition to the "exciting context" in which she finds herself, Ms. Savage appreciates the North for its employment opportunities and the fact that children can be relatively free to run about and be kids—Diana, her eight-year-old daughter, makes the latter an important consideration.

About the only major drawback that Ms. Savage finds to life in the N.W.T. is the lack of a major reference library. But that is something that she, as a writer, misses a great deal.

Ms. Savage is an accomplished natural science writer. As well as being a contributor to a variety of Canadian publications, Ms. Savage is the author of four books on subjects of natural science, including *Eagles of North America*, which was released this fall by Western Producer Prairie Books. Her previous works were *Mammals of Western Canada*, *Pelicans*, and the popular *The Wonder of Canadian Birds*.

Despite the difficulty of access to reference material, she is determined to continue with her writing (she is now working on a volume on wolves) and does research on trips to places such as Toronto and

Edmonton. To compensate for the research difficulties, there is the inspiration of the Northern landscape itself—"the air and sky, rock and water"—and the closeness to nature.

"There's plenty of opportunity to poke around, to look under rocks, and to see who's living in ponds."

Neil Hartling, '82 BPE



Neil Hartling enjoys seeing people's preconceptions of the North shattered.

For four summers now, the outdoorsman and Faculty of Physical Education graduate has been introducing Canadians, Americans, and Europeans to Canada's Northwest Territories through his Edmonton-based Nahanni River Adventures.

"They are consistently amazed at the expanse of diversely beautiful scenery," he says of the people who take his guided canoe trips. "Spellbound isn't an inaccurate description."

Instead of barren, snow-covered tundra, his clients discover the fantastic diversity of the scenic land through which the Nahanni flows. "It really is Canada's premier wilderness river," says Mr. Hartling.

His canoe trips (featuring large voyageur-type canoes) follow the Nahanni through rugged mountains, canyons, valleys and plains. Along the way there are hot springs, cave systems and waterfalls. "The flora and

fauna are also very diverse, ranging from alpine to boreal forest," he says.

Mr. Hartling is a native of Edmonton whose love of the wilderness began on family camping trips. ("It was the cheapest way to travel.") At the same time that he was earning his BPE degree in outdoor education, he began capitalizing on his "addiction" to canoeing and hiking by becoming involved in outfitting and guiding in Alberta's Eastern Slopes region.

He discovered the Nahanni rather fortuitously: a Saskatchewan camp planning a Nahanni trip was having trouble finding a leader; he was interested and available. It was love at first sight.

"I decided that here was where I wanted to continue my outfitting and guiding career," he says.

Five years ago he formed Nahanni River Adventures, and business has developed steadily. He says that the company appeals to the sense of adventure while providing people a safe and enjoyable interpretive experience to introduce them to the Northwest Territories.

He describes the company as "a business, naturally—generating some salaries," but wants it also to be a useful contribution to the North, "a way of responsibly sharing that area with other people."

Next summer Mr Hartling, who maintains his ties with the University in the winter months (he is currently manager of the campus Outdoor Education Centre), will also spend time in other parts of the N.W.T. In connection with an Edmonton travel operator, he will be leading trips to the Eastern Arctic and Fort Smith regions.

Naturally, he's relishing the added opportunity to show people that the Arctic might be a lot different than what they expected.



Old Moose Hall
Acrylic on Canvas / 46 x 61 cm

Ted Harrison, 77 BEd

Ted Harrison, whose wonderful paintings add color to our vision of the Canadian North, brings an experience of much of the world to his art.

Born in the English mining village of Wingate, County Durham in 1926, he studied at the Hartlepool College of Art (1943-45) before serving in the intelligence corps of the British Army overseas in India, Egypt, Kenya, Uganda and Somaliland. From army intelligence he turned to teaching; after

obtaining a diploma in education from King's College, University of Durham in 1951 he taught school in England, Malaysia, New Zealand and Canada.

Mr. Harrison's paintings can be found in private collections in Malaysia, New Zealand, Australia, the United Kingdom, South Africa, the U.S.A, France, Denmark and Canada. He has had numerous one-man, two-man, and group exhibitions of his works in Canada, and he has exhibited with the International Artists Illustrators at Bologna, Italy and Nishinomiya, Japan —the first Canadian to be

chosen for these exhibitions by an international jury.

Mr. Harrison's art has also had exposure through a number of television programs and films, and he has written and illustrated three books: *Children of the Yukon* (Tundra Books, Montreal), *The Last Horizon* (Merritt Publishing), and *A Northern Alphabet* (Tundra Books, Montreal). His most recent book is *The Cremation of Sam McGee* (Kids Can Press, Toronto), which combines his illustrations with Robert W. Service's classic poem.

Now settled in Whitehorse, Mr. Harrison is

active in Yukon life. He has served on the board of the Yukon/B.C. Canada Council explorations committee and spent three years as director for the National Parks Citizens Centennial Committee. Earlier this year, Mr. Harrison was awarded membership in the Order of Canada.

Mr. Harrison is represented by the Horizon Art Gallery in Edmonton and by Robertson Galleries, Ottawa; Wallace Galleries, Calgary; Hollander York, Toronto; and the Yukon Gallery, Whitehorse.

Class Notes

'27

Guy R. Lyle, BA, '64 LLD (Honorary), writes that his last day of guaranteed employment was October 30, 1972 and that he now does "as little as possible," adding, "I no longer even try to appear to be intelligent. I avoid any definite date for rising or setting, academic lunches or dinners, speeches (informal or otherwise), and funerals—the latter perhaps because my contemporaries are disappearing into the void at an alarming rate." Dr. Lyle lives in Decatur, Georgia, where he spends time with his family, reads purely for pleasure, and keeps active through squash and pleasure riding.

Harold Waterbury, Dip(Pharm), sold his last pharmacy in Three Hills, Alberta in 1963 when he was 60 years of age. At that time the stock market was his hobby, and instead of retiring he spent 14 years with Nesbitt Thomson in Calgary and then started his own business in Vancouver 10 years ago. Now 84, he is taking his own advice: "Don't retire until the deficit in Ottawa is retired first."

'32

John W. Chalmers, Dip(Ed), '35 MA, '41 MEd, '84 Dip(Ed), 12 years after retiring as professor emeritus at the U of A, is now retiring from the instructional staff at Concordia College, Edmonton—but not from teaching creative writing with the Edmonton Public School Board's continuing education division. He is also continuing with his own writing and editing. He received a graduate diploma in English in 1984 and has now completed the course work for an MA in English.

'36

Thomas J. Costigan, LLB, '34 BA, has practiced law in the Crownsnest Pass area of Alberta for more than 50 years. He has two sons who practice law in Edmonton and a daughter who is a musician in Boston.

'38

Joseph Gleddie, BSc, resides in Calgary and continues to be involved in consulting work in geology.

Marion Williams Francis, BA, wrote when she received her

last *New Trail*: "... as always, turned eagerly to the 'Class Notes.' This time would there be some news of that sure-fire Class of '38 who convoked in McDougall Church? Not a word . . . Did we all burn out prematurely? Are we far-flung around the world and out of touch with our alma mater? Perhaps, like me, we haven't bestirred ourselves to check in with Alumni Affairs. Our 50th anniversary will be celebrated at next year's Homecoming. I hope those of us in touch with the *New Trail* will rally to the call and spread the word among dormant members of the GREAT CLASS OF '38."

Hear Ye:

Medical Class of '38:

We will gather for our 50th Anniversary wing-ding in Edmonton on September 27 of 1988. Make your plans now. Details to follow.

Brad

'40

Horace W. Meech, BComm, is retired and lives in Vancouver, B.C.

'42

Joseph V. Charyk, BSc(Eng), '64 LLD (Honorary), a board member and former chairman and chief executive officer of the Communication Satellite Corporation (COMSAT) based in Washington, D.C., was awarded the National Medal of Technology by U.S. President Ronald Reagan in a ceremony at the White House in June. Mr. Charyk was cited for employing the concept of the geosynchronous communications satellite system as the basis for the global telecommunications system established by international agreement, and for his guidance of the growth and development of the INTELSAT system which now serves 160 nations and territories.

'44

Jack Collett, BDiv, '35 BA, '49 BEd, and **Helen Collett (Newson)**, '36 BA, are enjoying semi-retirement and having more time to spend at their cottage at Sylvan Lake, Alberta. Jack, a former president of Calgary's Mount Royal College,

was recently appointed minister emeritus by Riverview United Church in Calgary.

'45

Jack Longworth, BSc(Eng), received the honorary degree of doctor of divinity from St. Stephen's College in Edmonton during the ceremonies of the College's 64th annual convocation.

'47

Enid McGuffin (Roper), BComm, and **Gordon McGuffin**, BSc(Eng), now live in Radium Hot Springs, B.C. He took early retirement from his position as manager, development with Gulf Canada in 1978 and has been semi-retired since then, doing some consulting. He writes that he is now thinking of dropping the "semi." The couple, both avid golfers, have been spending the winters in Palm Desert, California since 1983, and in both B.C. and California they live on golf course developments.

'48

Van Christou, DDS, of Lethbridge, Alberta is retiring from a busy orthodontic practice after 37 years to devote time to photography and painting. He also hopes to find more time for golf, tennis and travel. His community interests include the University of Lethbridge, of which he is a chancellor emeritus.

'49

Carman A. Bliss, BSc(Pharm), who received a PhD from Purdue University in 1954, recently retired from the University of New Mexico, where he had served as dean of the college of pharmacy for nearly one-third of the college's existence. In recognition of his contributions, Dr. Bliss was a recipient of the UNM Regents' Meritorious Medal in 1987. **James S. Denis**, BSc(Eng), of Calgary is the 1987-88 president of the Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA). His professional career spans over 30 years in various facets of consulting engineering, and he has been an active member of the community, having in the

past served as a director of both the Calgary Rotary Club and the Calgary Petroleum Club.

Arthur Bates, BSc, is the proprietor of Bates Optical Consulting, which is based in Menlo Park, California. He has many nice memories of growing up in southern Alberta and one not so nice memory—skating back up the creek to Cardston from St. Mary's River.

Donald D. Phillips, BSc, moved to California earlier this year after retiring from Mobil Chemical in New Jersey. He is enjoying golf, tennis and walks on the beach. He reports that his only structured activity is writing a book on research management.

'51

Bruce Powe, MA, '49 BA, has published his fifth book, *The Ice Eaters*, a novel which is being marketed as part of the International Fiction List of Lester & Orpen Dennys, Toronto. His previous book, *The Aberhart Summer*, set in Edmonton in 1935, was published by Penguin in 1984. His new novel is set in the Yukon and Toronto against the background of the 1981-82 recession.

'52

Bruno W. Wiskel, BSc(Eng), now resides in Peterborough, Ontario and is general manager for Indusmin at the Nepton Mine site. **Frederick G. McBean**, BSc(Eng), is retiring to sunny British Columbia after 40 years in oil-related business.

'53

Albert Prothero, DDS, is now retired after 32 years in private practice in the Vancouver, B.C. area. He is enjoying golf, fishing, RV-ing, and travel and also sets a little time aside for worthy community projects.

'54

Malcolm E. McDonald, BEd, '53 Dip(Ed), and **Elma C. McDonald**, '60 BEd, are both enjoying retirement. They live in Edmonton and spend some time travelling. **Edith Thompson**, MA, '44 BA, and her sister moved to Victoria, B.C. after Nancy's early retirement. They find

themselves blessed with family and friends there and an ideal climate. They have also been able to travel, enjoying many trips across Canada and in Britain and Europe.

'55

Alan L. Lister, BSc(Pharm), after 30 years as a hospital pharmacist, is now retiring to do locum hospital and retail pharmacy part-time. And he's still enjoying doing lots of travelling.

Frances J. Buckles, BSc(Nu), '40 Dip(Nu), '48 Dip(Nu), lives in Edmonton and is enjoying retirement, her church women's group, occasional trips, and her friends.

Laurence Hart, MSc, '54 BSc, resides in Medicine Hat, Alberta now that he has been transferred to work at the Defence Research Establishment at Suffield, Alberta.

'56

John D. Bracco, LLB, '48 BEd, who is a justice of the Alberta Court of Queen's Bench, Calgary, received an honorary doctor of divinity degree at the 1987 convocation of St. Stephen's College, Edmonton.

'57

Moir Finnigan (Scott), MD, '53 BSc, and **Patrick Finnigan**, '62 DDS, have retired and are now living in Victoria, B.C.

'58

Edward Ratsoy, BSc, who was involved in the Block A Club and hockey while on campus, is practicing architecture in Vancouver, B.C.

T. W. Fraser Russell, MSc, '56 BSc(Eng), who is the Allan P. Colburn Professor and chairperson of chemical engineering at the University of Delaware, recently received one of the American Institute of Chemical Engineers' most prestigious awards, the Award in Chemical Engineering Practice for 1987.

'59

Peter W. Hochachka, BA, is a professor of zoology at the University of British Columbia and the co-author of *Metabolic Arrest and the Control of Biologic Time*, which was recently published by Harvard

University Press. Described as a "seminal new book," this work examines such questions as "What mechanisms turn down (or off) cell metabolism and other cell functions in certain creatures, such as hibernating animals?"

'60

Ronald Naundorf, BA, who was the first blind student to graduate from the U of A, has worked for the Children's Aid Society in Toronto for 18 years and for the past six has written the "Sunday's Child" column in the *Toronto Sun*. His hobbies include playing the clarinet and building furniture.

D. Morley Aboussafy, BComm, has been named controller by Weyerhaeuser Canada Ltd., an integrated forest products company with executive offices in Vancouver.

Eugene Kupchanko, BSc(Eng), lives in North Vancouver, B.C. and is engaged in engineering consulting.

'61

Allan R. McKenzie, BSc(Eng), has been named senior vice-president, Alberta division by the Toronto Dominion Bank. **Robert Plank**, MSc, '59 BSc(Ag), has been appointed head of statistical services by the Farm Credit Corporation. He recently completed 25 years of service with that organization—three years in Alberta and 18 in B.C. before moving to Ottawa four years ago.

'62

Martha Kinley, BEd, '54 Dip(Ed), '75 BA, '77 Dip(Ed), retired and returned to university after 35 years of teaching. She expects to convocate in November 1987 with an MEd degree. Her thesis is *The Adolescent Problem Reader's Perception of Reading*.

Sonia Kulka Coffin, BA, is currently completing her master's degree in Stratford-on-Avon. She is executive vice-president of Coffin Associates, a public relations firm with headquarters in Charlotte, North Carolina. **Marion Saffran (Sich)**, BEd, '87 MLS, saw 25 years pass between her first and second degrees. She writes that returning to campus with her science undergrad daughter was a joy. "My only regret is that I

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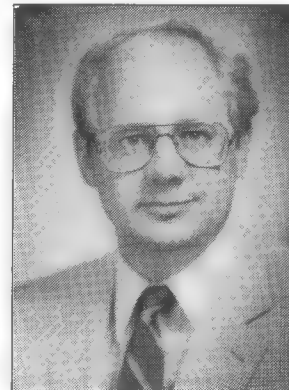
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waited so long to return—I wish I were in a position to counsel other parents to continue their university educations, no matter how long they have been away,” **Patrick Lawrence**, LLB, was recently appointed a judge of the Provincial Court of Alberta in Red Deer. **Erich A. von Fange**, PhD, recently ended a long career in higher education when he retired as academic dean of Concordia College, Ann Arbor, Michigan. Dr. von Fange was the College’s first academic dean and the first faculty member to complete 25 years of service at that institution.

and commercial affairs at the Canadian Embassy, Tokyo, Japan in September. Previously he served two years as vice-president, investment development for Investment Canada in Ottawa. **Joseph D. Wright**, BSc(Eng), has been appointed vice-president, Xerox Research Centre of Canada. Joseph, who is also a part-time professor of chemical engineering at McMaster University in Hamilton, lives with his wife and four children in Burlington, Ontario.

'64

Conrad Stenton, BSc(Eng), now living in Midland, Ontario, announced the birth of a son this summer.

'63

David Winfield, BA, was named the minister for economic

Cheryl Jones Cumbee, BA, earned a master of divinity degree from Duke University Divinity School, Durham, North Carolina and then a doctor of divinity degree from South Eastern Seminary, Wake Forth, North Carolina. A fellow of the American Association of Pastoral Counsellors, she is one of only 48 women in this organization.

George Lackonick, BSc(Eng), is a colonel in the Canadian Armed Forces. He holds MBA and MPA degrees from Rutgers and Queens Universities respectively and was recently appointed chairman of the Allied Long Lines Agency at NATO Headquarters in Brussels, Belgium. In this capacity, he is responsible for co-ordinating leased telecommunication circuits among NATO’s 16 nations.

Lois is a music specialist with the Edmonton Public School Board. Their son **Steve Halls**, '81 BSc, '85 MD, is interning at the U of A Hospital; son **Jay Halls**, '84 BComm, is a research analyst with Alberta Wheat Pool in Calgary; and son **Glen Halls**, '87 BMus, is going on to studies toward a master’s degree in composition at the University of Victoria with the help of an \$8,500 scholarship. Lois and all three sons are alumni of the Concert Choir.

Lorne Balanko, MSc, '66 BSc(Eng), has joined the Edmonton office of Thurber Consultants Ltd. as a senior geotechnical engineer.

Cynthia Langlo, BSc, was recently named manager of the geology department of Alberta’s Energy Resources Conservation Board.

'70

Merle Moffitt (Harrington), BSc(Nu), and **John Moffitt**, BED, '72 MEd, now make their home in New Zealand.

Lesley Dieno, BLS, has been appointed director of B.C.’s Okanagan Regional Library. She previously served as chief librarian of the Prince George, B.C. Public Library.

Steven Knowalec, BSc(Eng), is currently manager of upgrading, technical division, Syncrude Canada Ltd. in Fort McMurray, Alberta.

Edward Miller, BSc, is assistant director of the British Columbia Provincial Museum in Victoria and an adjunct professor in the University of Victoria’s biology department.

Marie M. Revoy, BA, reports that after teaching for more than 30 years and holding several positions of responsibility at the same time, she is now superannuated. Sr. Revoy continues her life of service, however, serving as a parish worker in St. Theresa’s Parish, Wakau, Saskatchewan. **Malcolm Hamilton**, BSc(Eng), has been elected a principal by the international management consulting firm of McKinsey and Company. He is a member of the Toronto office, which conducts the firm’s practice in Canada.

'71

Diane Luke, BSc(HEc), is the district home economist for Alberta Agriculture, High River. **Neil McDonald**, MEd, '70 BED,

'65

Edward Chwyl, BSc(Eng), has been appointed executive vice-president and general manager of Sceptre Resources Limited of Calgary.

Eric Hayne, BComm, now serves as senior executive, marketing for Capital City Savings of Edmonton.

'66

Marilyn Oginski (Jurkat), BED, teaches mathematics at Nickle Junior High School in Calgary and also serves as mathematics co-ordinator.

'67

Fay Ellen McFarlane (Peden), BED, is a full-time homemaker and mother now and loving every minute of it. Her son has just entered the first grade in Kitimat, B.C.

'68

Lynne Duncan, MA, has been named Alberta’s deputy minister of advanced education. A former assistant deputy provincial treasurer, she was chosen for her strong financial management skills. She is Alberta’s first female deputy minister.

Gordon Halls, MSc, '59 BSc(Eng), and **Lois Halls**, '78 BED, and their three children are all graduates of the U of A. Gordon is executive director of urban transportation with Alberta Transportation, and

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has recently been appointed to chair a task force to recommend a policy on multiculturalism for the Province of Manitoba.

Ralph Causier, Dip(Ed), teaches school in Manitoba. He recently reassumed the vice-principalship at God's Narrows School after a two-year assignment at God's River School.

Subhash S. Aggarwal, MSc, is general manager for industrial products business, North and South America, at Polysar Ltd., Sarnia, Ontario.

'72

Carl Darchuk, MFA, lives in Issaquah, Washington, where he writes and is involved in producing a feature film.

Christopher Trigg, PhD, professor of pharmacology and associate dean of the division of basic medical sciences at Memorial University of Newfoundland, was recently elected vice-president of the Pharmacological Society of Canada.

Alan D. Evans, BComm, is working until the end of 1987 as an area economic development officer at Rankin Inlet, N.W.T. on a term contract with the Government of the N.W.T.

'73

Richard Long, MBA, '72 BComm, is now head of the department of industrial relations and organizational behavior at the University of Saskatchewan. He has recently had a book entitled *New Office Information Technology: Human and Managerial Implications*, published by Croom Helm of London.

Donald Rasko, BSc(Eng), and his wife and two children are moving to the Netherlands, where he will spend three years working with the Shell International Petroleum Company in the process and project development area.

Robert N. Marshall, MSc, '71 BPE, is a senior lecturer in the Faculty of Physical Education, University of Otago, Dunedin, New Zealand. He teaches and conducts research in the area of biomechanics and enjoys the outdoor life — mainly sailing and snow skiing.

Hazel Fry, BLS, was appointed university librarian at the University of Lethbridge earlier this year.

Daniel G. Dancocks, BA, of Calgary has four books in print.

His latest, *Spearhead to Victory*, was released this fall. It examines Canada's role in the last hundred days of the First World War.

Randall Way, BComm, who returned to Edmonton last year after 12 years in Toronto, is promoting downtown Edmonton in his new position as executive director of the Downtown Business Association of Edmonton.

'74

Carol J. Bergman, BEd, is teaching kindergarten half-time in Nelson, B.C.

Susan G. Turnbull, BSc(HEC), was recently appointed head of the department of clothing and textiles at the University of Manitoba. She had previously served as an associate professor at the University of New Brunswick, Fredericton.

Esther Silberg, BPE, has been involved in the insurance industry for 10 years and now sells life and general insurance through her own agency in Calgary. The mother of a pre-school daughter, she reported that she was expecting twins in November 1987.

'75

Bill Kostenuk, BComm, lives in Saskatoon, Saskatchewan, where he is district manager for York Food Service.

Leslie Zaharichuk, MBA, '73 BSc, is senior manager, Price Waterhouse, Management Consulting Services in Calgary.

John J. Jackson, PhD, was named associate vice-president, research at the University of Victoria in July of this year.

Brian H. Plowman, BEd, and **Anne Plowman**, '75 Dip(PT), write that they have settled well in Perth in Anne's native Australia, and their three children are truly

"Australianized." Anne is a part-time consultant with the department of health's "Over 50 Aerobics" program, and Steve is deputy headmaster of St. Stephen's College, a Uniting Church co-educational high school of 600 students.

Christie J. Boyd, BSc, is a resident in veterinary anesthesia at Virginia-Maryland Regional College of Veterinary Medicine in Blacksburg, Virginia.

Gary Marce, BSc(FoodSci), '77 MSc, is a food and drug inspector with the health protection branch of Health and

Welfare Canada, Edmonton. **George Hache**, MEd, recently accepted a position as an associate professor, technological studies at the University of Western Ontario.

'76

Pamela Willoughby, MA, has received a Canada Research Fellowship from the Social Sciences and Humanities Research Council of Canada in its first competition. The award gives her an assistant professor's position in anthropology at the U of A for the next five years. The recipient of a PhD from UCLA, she will continue her research into the early stone age archeology of Africa.

Margaret MacGregor, BSc(PT), who is now chairman of the standards committee for the Association of Physiotherapists and Massage Practitioners of British Columbia, is president-elect of the Canadian Physiotherapy Association.

'77

Sarah Freeman (Martin), BEd, is teaching in the language development program at Crystal Park School, Grande Prairie, Alberta.

Norma Kent, BA, who gained broadcast experience at television outlets in Calgary, Medicine Hat and Grande Prairie, Alberta, is now a co-host on CBC Television's *Marketplace*.

Lloyd W. Robertson, BA, who hopes to complete a PhD from the University of Toronto soon, has accepted a two-year position teaching political theory at St. Olaf College, Northfield, Minnesota.

Curt Wiebe, BSc(Eng), divides his working time between engineering with Dresser Valve and Controls, Edmonton, and professional photography.

'78

Robert Horen, BComm, is the manager of corporate accounting for Canada Safeway Limited at its head office in Calgary. He and his wife have two sons.

Jeanne Meurer, BA, '84 BEd, who also has a master's degree in theology from Newman College, is currently working on a make-up year to qualify for an MEd degree in counselling.

Elsie A. Elford (Olyan), LLB, '74 BA, has been admitted to partnership in the Edmonton law firm Carr and Company. **John Calvert**, BA, returned to Edmonton in May 1987 to present a paper at the International Conference on African Studies. The holder of master's degrees in medieval studies (Toronto) and in Islamic studies (McGill), he is currently completing work towards a doctoral degree in Islamic studies at the American University in Cairo.

Raymond Meronyk, BComm,



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lives in Kenora, Ontario with his wife and three children. He is director of finance and administration for Kenora-Patricia Child and Family Services.

Steve Roth, BComm, '86 BPE, has left the U of A athletics department, where he was assistant men's basketball coach, to accept a position as coach of the Saskatchewan men's basketball team being prepared for the 1989 Canada Summer Games in Saskatoon.

John R. Wood, MBA, has been elected to the council of the Association of Professional Engineers, Geologists and Geophysicists of Alberta for a

three-year term. He is employed in business development with Delta Projects Inc. of Calgary, following Delta's acquisition of his former employer, Stearns Catalytic Ltd.

W. Alan Whitten, BComm, has been appointed senior account executive for Strand Securities Corporation's Ottawa office.

'79

Donald Phillipson, PhD, was appointed assistant deputy minister, hospital services division of the Alberta department of hospitals and medical care.

Mark Desjardins, BEd, has

taught in an alternative program in Surrey, B.C. for six years. He is currently working part-time toward a fine arts degree at UBC and living in Vancouver.

Dianne Stretch, MA, '75 BA, teaches Canadian history at Red Deer College, Alberta and continues to tutor for Athabasca University.

Charles Ottosen, BA, became head librarian at the Airdrie, Alberta public library in October.

Robert Hensley, BSc(Eng), lives in Montreal and works in French as "conseiller technique" (technical consultant) for the Bureau des économies d'énergie, gouvernement du Québec. He was married in July of 1986.

Peter Kaiser, PhD, is a professor of engineering at Laurentian University in Ontario. He holds the Industrial Research Chair for Rock Engineering and Ground Control at Laurentian's Geomechanics Research Centre.

Peter M. Gresshoff, BSc, currently senior lecturer of genetics at the Australian National University in Canberra, has recently accepted the Endowed Chair of Plant Genetic Engineering at the University of Tennessee in Knoxville. He plans to move a large component of his research group from Canberra to the U.S.A. and continue to research the plant's contribution to the nitrogen fixing symbiosis found in legume (mainly soybean) nodules. He, his wife and two sons plan to move to Knoxville in late 1987 or early 1988.

Francis Skulsky, DDS, left his Calgary dental practice in 1984 to earn a medical degree. Now he is working on an MSc degree in maxillofacial and oral surgery at Dalhousie University in Nova Scotia.

Maureen Sawkins (Melzer), BEd, is raising a family of "three little Sawkins" (a boy and two girls) in Port Coquitlam, B.C.

Mark D. Swanson, BEd, '81 BA, is vice-principal at Blessed Sacrament Junior-Senior High School in Wainwright, Alberta and is working toward an MA in religious studies through the summer school program at Gonzaga University in Washington State.

Christian Crosby, BSc(Eng), recently joined First City Development Corporation as assistant vice-president in Toronto. He reports that he is still adjusting to the shock of

leaving beautiful Vancouver, B.C. **Donald Schurman**, MHSA, has been named president and chief executive officer of the University of Alberta Hospitals.

'80

David J. Gifford, PhD, '76 BSc, has returned to Edmonton from Calgary and is now an assistant professor in the U of A's department of botany.

Holly Meyer, BSc(PT), has opened her own physiotherapy clinic in Nanton, Alberta, where her husband edits the weekly newspaper.

Katharine Moore, MA, '74 BA, '78 BPE, completed her PhD from the University of Queensland, Australia in April, 1987. She continues as a staff tutor in the physical education department at Queen's University of Belfast, Northern Ireland.

Linda Myshaniuk, Dip(Nu), is employed full-time at the U of A Hospital on a rheumatology unit.

Mwene Mwinga, MBA, '79 BComm, is currently managing director for Zambia State Insurance Corporation, the only insurance company in Zambia.

James Skillings, BPE, has returned to Edmonton from Vancouver and continues to teach and coach. **Neil R. Miller**, MBA, '78 BSc(Forest), who returned to Edmonton from North Carolina in 1986, was recently named president of Walls and Forms International, an Alberta manufacturer of specialty building products. He is also a managing director of Alberta Spruce Industries, an exporter of building materials to the Pacific Rim and Europe.

Anne Johnson-Flanagan, MSc, spent two years in Ottawa, where her husband attended school and she worked at the Plant Research Centre. She is now back in Edmonton and an assistant professor in the University's plant sciences department.

Terry Kolomeychuk, MEd, who entered a doctoral program at the University of Minnesota this fall, has been awarded a Wilson Learning Doctoral Fellowship. He is on leave from the National Film Board, Winnipeg. **Patricia Ives (Kelly)**, BSc(Speech), and her husband have moved to Coldwater, Ontario, where he is beginning a practice in family medicine. Their first child was born this year.

In Memoriam

The Alumni Association extends its condolences to the families and friends of the following:

Helen Bishop Montgomery MacLeod

'14 BA August 1987/West Vancouver

Gwenythe Graham (Tuttle)

'15 BA, '17 MEd September 1987/Sault St. Marie, Ontario

Paullo Zakus

'28 DDS February 1987

James Herbert Armstrong

'28 BSc(Eng) September 1987

Ernest Royal Lewis

'29 BSc(Ag) February 1987

Lawrence Gordon Sieber

'30 BA, '33 BDiv June 1987/Richmond, B.C.

John Stuart Neil

'30 BSc(Eng) September 1987/Calgary

William Bull Parsons

'30 BA April 1987

Clinton Keith French

'31 BSc(Pharm) August 1987/Edmonton

Eric Kneen

'31 BSc(Ag) May 1987

Margaret Hogarth (Gaetz)

'32 Dip(Nu) September 1987/Scarborough, Ontario

Rebecca Jeanne Putnam (Whimster)

'33 Dip(Nu) August 1987

Morris Carnat

'34 MD 1987/Charlottetown, P.E.I.

Abraham Hurtig

'34 BA, '37 MD July 1987

Alison Mary Jackson

'35 BA June 1987/Calgary

Victor Evelyn Meech

'37 BSc September 1987

Neil Victor German

'39 BA, '40 LLB January 1986

Thomas Walker Peters

'40 BSc(Ag), '42 MSc September 1985

Majorie Robertson Russell

'43 BA, '49 BEd May 1987

Katherine Gertrude Therrien

'44 BEd September 1987

Samuel Bryce Rollins

'48 BComm 1987

Bruce Wilbur Holbrook

'49 BSc September 1987

Phyllis Jeannine Russell

'49 BA February 1987

Sidney Benjamin Maerov

'49 BSc August 1986

James Graham Leitch

'50 BSc(Eng) September 1987

William Joel Stiles

'54 BSc(Pharm) February 1987

Henry Robert Golan

'54 Dip(Ed), '56 Dip(Ed), '58

BEd, '65 Dip(Ed), '67 MEd

August 1987/Edmonton

Julia Stella Buttnor

'54 Dip(Nu) 1987

Gertrude Bryan

'57 BEd 1987/Spirit River, Alberta

Judith Marion Smith

'59 Dip(Nu) June 1987

Walter Joseph Stefaniuk

'59 BSc(Eng) April 1987/Edmonton

Douglas Gordon Pennell

'59 BSc(Eng), '62 MSc, '69 PhD

October 1987/Calgary

Laura Margaret Attrux

'70 LLD (Honorary) September

1987/Edmonton

James Craig Alexander

'72 BEd September 1987

Terence Ronald Olien

'76 LLB 1987/Sussex, England

Ralph Gavin Steinhauer

'76 LLD (Honorary) September

1987/Edmonton

Betty Margit Reid

'82 BEd March 1987

James Heber MacDonald

'83 BSc(Pharm) 1987

Kieran James Hayden

'84 BSc(Eng) September 1987

'81

Heather Yeske, BSc(Pharm), went to work as a clinical pharmacist in the Children's Pavilion at the Royal Alexandra Hospital, Edmonton after completing her master's degree. She also holds a cross appointment with the U of A pharmacy school and has marriage plans for next spring. **Suzanne Arcand-Smith**, BEd, who was married in August, now lives on Vancouver Island and teaches French immersion in Nanaimo. She has completed the course work towards a MEd

degree and expects to begin a thesis soon.

Debra Menezes (Collins), MBA, '76 BSc, and **Alan Menezes**, '80 BSc(Eng), found their way to San Jose, California, where she is a financial analyst with ROLM/IBM, and he is engineering group leader with Granger Associates.

Donna Lynn Tam (Chisolm), BSc(OT), and her husband and son welcomed a baby girl to their family this year. Donna Lynn only interrupts her motherhood career for short psychiatric locums in their home of Surrey, B.C.

Tuntufye S. Mwamwenda, PhD, who returned to Africa and a position at the University of Transkei after graduation, is back in Edmonton, spending a year as a visiting professor in the University's educational psychology department. He is involved in research on Africa, work with the Development Disabilities Centre, and some teaching. "It's good to be back . . .," he says.

Susan Achmatowicz, MBA, is living in London, U.K., where she works at Banker's Trust Company as vice-president and head of sales, trading and

funding operations. She writes that she is anxious to say "hello" to any MBAs who pass through London.

Deborah Gallant (Beckman), BMus, now lives in Wilkie, Saskatchewan, where her husband is the United Church minister. She keeps busy teaching music, being involved in the SRMTA, accompanying junior choir and playing for church services, and looking after her new baby daughter.

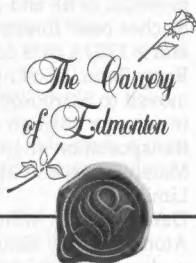
Gordon Love, BSc(Eng), '77 BSc, and **Kathryn Love**, '80 BSc(Nu), have moved back to Alberta after five years in

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Dartmouth, Nova Scotia. He works with Mobil Oil in Whitecourt, and she is at home raising their three children. **Kathleen Zielinski**, BComm, completed an MBA in Johannesburg, South Africa and spent five years with IBM of S.A. before returning to Alberta and starting her own telemarketing firm. She reports being "recently married with one dog and one cat," and sends her regards to past AIESEC members. **Andrew Campbell**, BSc(Ag), has seen much of the world since graduation: he worked in Japan for a year, promoting Alberta agriculture and studying Japanese; travelled to Southeast Asia, where he lived with his Foster Parent's Plan foster family; spent two years working and rodeo-ing in Australia, where he met his wife-to-be; and travelled with her, touring ranches and farms in New Caledonia, Tahiti (where they saw Haley's Comet from the beach) and working on sheep and kiwi-fruit farms in New Zealand. They are now back in Alberta, and Andrew works for Cargill Ltd. in Lethbridge. **Haze Wescott**, PhD, for 10 years superintendent of schools at Pincher Creek, Alberta, now holds a similar position with the Drumheller, Alberta school division. **Steve Knowles**, BPE, who was the U of A's sports information officer for four years, is now co-ordinator of publications and statistics for the Edmonton Oilers.

'82

Jenanne O'Loughlin, BEd, taught in a special education classroom in St. Albert, Alberta for five years and has now relocated to California to pursue a master's degree in special education at the University of California, Santa Barbara. **Lawrence Vavrek**, BSc(Eng), is a manager at Proctor and Gamble Cellulose in Grande Prairie, Alberta. **Nina Schmidt (Bastien)**, BSc(Nu), is married and living in Munich, West Germany. She is working in a hospital environment and manages to find time to travel and enjoy "what good things life has to offer." **Shehnaz Alidina**, BSc(OT), has been appointed assistant executive director of the Algoma District Health Council in Ontario.

Benedict Onubogu, MEd, writes to say that he has recently been accepted into the prestigious Ozo society in his town of Uga in Aquata Local Government of Anambra State of Nigeria. As a result of this initiation, he has added the title "Nze" to his name and is now addressed as Nze Dr. Benedict O. Onubogu. **Robert Morrice**, BComm, has been appointed assistant vice-president of Citibank Canada in Toronto and currently serves as treasurer of the U of A Alumni Association branch in Toronto. **David McRae**, BA, obtained a master of environmental design degree from the University of Calgary and now works as a planner at the South Peace Regional Planning Commission in Grande Prairie, Alberta. **Marie-Jean Pratley**, BComm, who has resided in San Diego for the past three years, is advertising manager for a California-based furniture retailer. **Peter G. Sutherland**, BEd, and **Debby G. Sutherland**, '85 BEd, and their two children live in Lacombe, Alberta, where Peter teaches visual communications and math at the high school. Debby substitute teaches and occasionally instructs introductory computer courses at Red Deer College. **Hyacinth De Almeida**, BSc(Eng), is now a network architecture adviser with Telecom Canada's common channel signalling network. He is also working part-time on a master's degree in administration.

'83

Diane Dutton Tye, BA(RecAdmin), who was married in May, recently started her own training and development company. She also works as an executive assistant for Edmonton alderman Judy Bethel. **Dennis Hendricksen**, BA, serves as an assistant pastor at Christ Lutheran Church in Regina and continues to write and perform music. He and his wife are expecting their first child. **Lyle Weis**, PhD, taught in the U of A department of English before accepting the position of executive director with the Writers Guild of Alberta. **Edward Gilchrist**, MBA, '71 BSc, '73 BSc(Eng), is an administration manager with the Edmonton Fire Department and a part-time lecturer in computer

science at the U of A. **Scott Hinman**, PhD, is an assistant professor of chemistry at the University of Calgary. **William Ostopek**, LLB, '79 BSc, has become a partner in the Edmonton law firm Carr and Company.

Melanie Reichle (Jones), BSc, was married last year and lives outside Saskatoon, Saskatchewan. Now involved in showing registered dogs, she has two of her own, an Akita and a Cavalier King Charles Spaniel.

Catherine Page (Hotke), MD, '81 BMS, and her husband live in State College, Pennsylvania, where their first child was born recently.

Berken Feddersen, BSc(Forest), lives in Victoria, B.C. She is principal of BF and Associates, teaches basic forestry courses, and is FRDA data co-ordinator. **Barry Poon**, BSc(Eng), has moved to Scarborough, Ontario to accept a position as a transportation engineer for Marshall Macklin Monaghan Limited.

Derek Martin, MEng, works at Atomic Energy Canada's underground research laboratory near Pinawa, Manitoba.

Kathie A. Koziol, MD, '81 BMS, following internship and residency training in internal medicine in Ottawa, has begun a gastroenterology subspecialty program in Calgary.

Charles F. Lau, BSc(Eng), and his wife are enjoying the change now that he has moved from the Bullmoose Coal Mine to a job as a process engineer for Suncor Inc. in Fort McMurray, Alberta.

Bartley Oegema, BSc(Eng), earned a master's degree in water resource engineering from the University of Waterloo and is now an assistant engineer, river control for Ontario Hydro.

Michele Stroud, BSc(HEC), is part of the food service management division of the Marriott Hotel Corporation, serving as assistant director of dietetics at a complex in St. John's, Newfoundland.

Maria Krupp, MA, is pursuing a dual career: translating (Slavic languages) for the federal government in Ottawa and writing an espionage novel that she hopes will become a best seller.

'84

Ralph Sinn, MD, '80 BSc, and **Barbara Sinn (Lange)**, MD, are in Kenya as missionary doctors

for two years. In addition to his hospital duties Ralph, who plans to specialize in pathology when he returns to Canada, is setting up his own lab. Barbara is in charge of the hospital's pediatric ward.

Ravi Jaisinghani, MBA, is a supervisor, applications engineering, Petro Canada Products in Calgary.

Martin Jumbam, MA, and **Hermira Jumbam**, MEd, now live in Douala, Cameroon, where he is a translator for an oil company and she teaches English with the American Cultural Center program.

Diana Fraser (Tomovich), BSc(Pharm), was married in 1984 and worked in a hospital pharmacy for two years. She completed her BSc degree at Brock University in 1986 and now resides in Welland, Ontario and works at an A & P pharmacy in nearby St. Catharines.

Jennifer Allford, BA, recently began a broadcasting career as a reporter/editor for CBC Radio in St. John's, Newfoundland.

Doreen Rockliff, MSc, '81 BSc(HEC), studied at the International Centre for Conservation in Rome until June and is now travelling around the world.

Robert Ascah, PhD, recently joined Alberta Treasury as manager, financial/economic analysis.

Rob Graham, BSc(Eng), resides in Saskatoon, Saskatchewan, where he is a project manager/estimator for Graham Construction and Engineering (1985) Ltd.

Samuel B. Switzer, BSc, earned a dentistry degree from the University of Manitoba and now practices in Calgary with North Calgary Dental Associates.

Glen Mackey, BComm, is a systems analyst with Alberta Treasury Branches in Calgary.

Laurie Glenn, BEd, entered the Manitoba Museum of Man and Nature's technician training program in September.

'85

Brian R. Taylor, BSc, is enrolled in a PhD program in psychology at Princeton University in New Jersey.

Doug Gregory, BA, obtained an Alberta teaching certificate and now teaches high school English in Stettler, Alberta.

Connie Roch, BEd, spent seven months in Australia and has now settled in Vancouver, B.C., where she works as a

secretary/receptionist for a beverage import firm.

Nancy Pearson, BA, after working with the Alberta government, is now studying law at the University of Victoria and "thoroughly enjoying the climate, scenery, and friendly British Columbians."

Glenn Byer, BA, received a master's degree in liturgical studies from the University of Notre Dame and is now working in Maryland.

Karen Kleespies, MD, '81 BSc, and **Gordon Mazurek**, '83 MD, '81 BMS, are both in private family practice in Edmonton.

Eugene Margulis, BSc, is back at school, working towards an MSc in computer science at Queen's University in Ontario.

Barbara Dunnigan, MEd, '83 BEd, is studying toward her doctorate at the U of A.

Gwen Dixon, BSc(Speech), completed a master's degree in speech-language pathology from the University of Maine and is now with a private practice firm in Moncton, New Brunswick.

Daniel E. Spelliscy, LLB, '79 BComm, practiced with a large Edmonton law firm prior to opening his own practice in southwest Edmonton.

Jennifer Morgan, BSc(HEC), is completing a master's degree in textile dyeing and finishing at the University of Leeds in England and looking forward to beginning a PhD program working with the International Wool Secretariat on new wool bleaching agents.

René Turcotte, PhD, '78 MSc, taught at the University of Windsor for one year and is now an assistant professor of physical education at McGill.

'86

Kenneth H. Poznikoff, DDS, '86 BSc(Dentistry), '80 BSc(Pharm), has established a new dental practice in Drumheller, Alberta.

Heather Wallace-Smith, BEd, is teaching grade eight subjects in Coronation, Alberta.

Chet Chan, BSc, works for Shell Canada in Calgary and is currently systems manager for a number of Shell's computer systems across the country.

James W. F. Smith, MSc, has accepted a staff position with the geography department at the State University of New York, Buffalo, to support their computer cartography program. **Wai-Fan Fung**, BSc, returned to Hong Kong, where he obtained a job as a programmer in a

software consulting firm.

Joseph Nyachiro, MSc, is head of the cereal breeding section at Kenya's National Plant Breeding Station, Njoro.

Ashokakumar Patel, MD, '84 BMS, has begun a residency training program in internal medicine at the Mayo Graduate School of Medicine, Rochester, Minnesota.

Mardell Kern, BEd, is teaching elementary school music and language arts in Shaunavon, Saskatchewan.

Warren Anquist, MD, '82 BSc, and **Susan Anquist**, '83 BEd, reside in Ottawa. Warren is a pediatric resident at the Children's Hospital of Eastern Ontario. Susan is at home with their baby born this summer.

Ravi Vinayak, PhD, spent a year at the Nucleic Acid Research Institute in Costa Mesa, California and now works in the division of biology at the California Institute of Technology, Pasadena.

Ivona Comba (Tyl), BEd, is now married and teaching secondary school French in Calgary.

Terry Aplin, BSc, is enrolled in the University of Western Ontario's MBA program.

Kathy L. Anderson, BEd, is teaching grade one in Edmonton and has wedding plans for 1988.

John Bulmer, BSc(AgEng), reports that he is enjoying the good life in sunny, southern Alberta. "Still goin' down the road to a few rodeos and in between I'm the regional agricultural engineer's assistant for Alberta Agriculture in Airdrie."

Lisa Warshawski, BComm, is a product manager assistant in the residence marketing department of AGT.

Daryl S. Kucey, MD, '84 BMS, has begun a residency in general surgery at the University of Toronto.

'87

Brian J. Olson, BSc(Eng), is employed in Calgary as an electrical engineer with AGT Mobile Communications.

Virginia Meyer, BSc(PT), is working as a physiotherapist at Red Deer Hospital.

Aimie Bourgoin, BSc(Nu), '83 BA, is a nurse with Grenfell Regional Health Services in St. Anthony, Newfoundland.

Stuart Mackay, MLS, '74 BA, is head, technical services for Yellowhead Regional Library.

Ho Kiam Teo, BSc(Eng), has returned to Malaysia to seek employment.

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